This printed version of the Schedule of Classes is current as of 1/24/25 5:40 PM.

AASP African American Studies Winter 2025

AASP100 **Introduction to African American Studies**

Significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from slavery to the present. Interdisciplinary introduction to social, political, legal and economic roots of contemporary problems faced by blacks in the United States with applications to the lives of other racial and ethnic minorities in the Americas and in other societies.

WB11	Jason Nichols	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

AASP187 **The New Jim Crow: African-Americans, Mass Incarceration and the Prison Industrial Complex**

Recommended: AASP100.

Students will examine the birth of the racial caste system following the abolition of slavery, the parallels between the racial hierarchy of the Jim Crow system and contemporary mass incarceration, and the rise of the prison industrial complex as a multi-billon business which thrives on the oppression of low-income populations and poor communities of color.

WB11	Robert Choflet	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

AASP211 **Get Out: The Sunken Place of Race Relations in the Post-Racial Era**

Credit only granted for: AASP298G or AASP211. Formerly: AASP298G.

Prevailing thought suggests that we live in an era that is post-racial, particularly after the election of Barack Obama. Media often serves to drive our assessment of where our nation stands on issues like race, gender and sexuality. This course uses the film Get Out to delve into the production, evolution and significance of race in present day America. The course will engage multiple forms of media to investigate life in "Post-Racial" America, including but not limited to the role of stereotypes, interracial relationships, police-community relations, etc.

WB11	Shane Walsh	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

AASP230 **Social (In)Justice and African-American Health and Well-Being**

African Americans suffer worse outcomes than non-Hispanic whites on nearly every health measure and outcomes that link to overall well-being like depressive symptoms or homicides. Health disparities are experienced by other underrepresented minority groups, but because of the unique historic and current experiences of African Americans, the determinants and solutions to African American health disparities are unique. The premise of this course is that African American health disparities are due to social injustices perpetuated on the institutional level that have permeated the lived experiences of African Americans leading to racial disparities in health and well-being. As such, the solutions on the both policy, and community, level must have a social justice approach.

WB11	Ashley Newby	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

AASP498E **Special Topics in Black Culture; A Critical Understanding of Hip Hop Culture and its Impact on Society**

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

A critical exploration of Hip Hop and how it transcends race, socioeconomic background, culture, and gender.

WB11	Solomon Comissiong	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

AASP498Q **Special Topics in Black Culture; Black Discourse in Digital Media**

Advanced study of the cultural and historical antecedents of contemporary African and African American society. Emphasis on the social, political, economic and behavioral factors affecting blacks and their communities. Topics vary.

Examines the connections between black discourse, oral culture, and traditional media with new digital media technology. Various methods, theoretical approaches, and tools for studying social media and online communication. Crosslisted with COMM498A. Credit only granted for COMM498A or AASP498Q. Satisfies elective requirements for the Digital Studies in the Arts and Humanities (DSAH) graduate certificate.

WB11	Rianna Walcott	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

AAST Asian American Studies Winter 2025

AAST351 **Asian Americans and Media**

Credit only granted for: AAST351, AAST398M or AAST398N. Formerly: AAST398M, AAST398N.

From yellow peril invaders to model minority allies, Asian Americans have crafted their own dynamic cultural expressions in a number of media from film, television, and music to fashion, sports, and food that reveal and contest the contradictions of the U.S. nation-state. Asian American culture also uniquely sits at the nexus of immigration flows and digital technologies, providing a transnational lens to view the US place in the world. This advanced course, then, will introduce students to the study and practice of Asian American cyktyre as multiple , hybrid, and heterogeneous. It will do so through three sections: section one will introduce students to classical, cultural, and media concepts as well as relevant keywords outlined by Asian American Studies scholars; section two will review the work of Asian American cultural theorists; section three will focus on analyses of particular Asian American cultural productions. In doing so, students will gain an understanding of the shifting and interlocking tensions among the local, the national, and the global that form the cultural geographies of Asian America.

WB11	Binod Paudyal Class time/details on ELMs	Seats (Total: 20) ONLINE
WB12	Binod Paudyal Class time/details on ELMs	Seats (Total: 20) ONLINE

AAST355 **Asian Americans in Film**

Cross-listed with: AMST328W. Credit only granted for: AAST355, AAST398L or AMST328W. Formerly: 398L.

Explores how Asian Americans have historically been represented in the U.S. by Hollywood, and in turn, how independent and Hollywood Asian American filmmakers have represented themselves. It covers the history of racial, gendered, and sexualized representations of Asian Americans in Hollywood, as well as Asian American filmic responses within and outside Hollywood. It also introduces how four basic tools of film analysis mise-en-scene, cinematography, editing and sound work together to create meaning in moving images. It examines how these elements are put together in three different types of films by Asian American filmmakers: narrative, documentary, and experimental. How films function in society to circulate ideas that reproduce and challenge stereotypes about Asian Americans.

WB11	Jennifer Cho Class time/details on ELMs	Seats (Total: 20) ONLINE
WB12	Jennifer Cho Class time/details on ELMs	Seats (Total: 20) ONLINE

AGST Agricultural Science and Technology — Winter 2025

AGST435 **Teacher Training for Agriculture and Environmental Literacy**

Dive into an engaging course through which you will explore the interwoven nature of agricultural and environmental education. Discover cost effective resources to infuse agriculture and environmental education into formal and non-formal lesson plans. Along the journey you will build your confidence to use real world activities to help your students have fun learning core curriculum concepts while students become agriculturally and environmentally literate.

WB11	Melissa Welsh	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

AMSC Applied Mathematics & Scientific Computation — Winter 2025

AMSC698A **Advanced Topics in Applied Mathematics**
Contact department for information to register for this course.

AMSC762 **Data Analysis Project**

Restriction: Permission of CMNS-Applied Mathematics department; and permission of instructor.

This course cannot be used to meet any of the Applied Statistics Area's seminar requirements. Offered yearly, required of and limited to MS non-thesis and doctoral students in Applied Statistics Area, for whom the resulting projects serve as a Qualifying Exam component. After 5-6 lectures or presentations on components of successful data analyses and write-ups, 3-4 sessions will discuss previous student project submissions. The culminating project, to be completed in a two week period between semesters, is an analysis and written report of one of three project choices made available each year to represent a spectrum of realistic applied statistical problems.

0101	Howard Elman	Seats (Total: 10)
	Contact instructor or department for details.	

AMSC899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

AMST American Studies — Winter 2025

AMST101 **Introduction American Studies**

Credit only granted for: AMST101 or AMST201. Formerly: AMST201.

Introduces students to the interdisciplinary field of American Studies by examining concepts such as culture, identity, cultural practices, and globalization, as well as theories underlying these concepts. Engages key themes, especially constructions of difference and identity, cultures of everyday life, and America and the world.

WB11	Anh Duong	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
WB12	Nina Versenyi	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

Click here for descriptions of all AMST winter courses.

AMST203 **Popular Culture in America**

An introduction to American popular culture, its historical development, and its role as a reflection of and influence on our culture and society.

An introduction to American popular culture, its historical development, and its role as a reflection of and influence onour culture and society. We will also examine historical and contemporary celebrity culture from various critical theoretical perspectives.

WB11	Zachary Johnson Class time/details on ELMs	Seats (Total: 15) ONLINE
WB12	Alice Santana Class time/details on ELMs	Seats (Total: 15) ONLINE
WB13	Jacqueline Partida Class time/details on ELMs	Seats (Total: 15) ONLINE

AMST205 **Material Aspects of American Life**

Historical survey of American material culture. Ways of describing and interpreting accumulated material evidence (e.g., buildings, town plans) introduced by stressing relationship between artifact and culture.

WB11	Melodie Jackson Class time/details on ELMs	Seats (Total: 15) ONLINE

AMST328W **Asian Americans in Film**

Cross-listed with: AAST355. Credit only granted for: AAST355, AAST398L or AMST328W. Formerly: 398L.

Explores how Asian Americans have historically been represented in the U.S. by Hollywood, and in turn, how independent and Hollywood Asian American filmmakers have represented themselves. It covers the history of racial, gendered, and sexualized representations of Asian Americans in Hollywood, as well as Asian American filmic responses within and outside Hollywood. It also introduces how four basic tools of film analysis mise-en-scene, cinematography, editing and sound work together to create meaning in moving images. It examines how these elements are put together in three different types of films by Asian American filmmakers: narrative, documentary, and experimental. How films function in society to circulate ideas that reproduce and challenge stereotypes about Asian Americans.

WB11	Jennifer Cho Class time/details on ELMs	Seats (Total: 20) ONLINE

WB12	Jennifer Cho	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANSC Animal Science Winter 2025

ANSC386 **Experiential Learning**

Prerequisite: Permission of AGNR-Animal & Avian Sciences department. Restriction: Junior standing or higher.

0101	Instructor: TBA	Seats (Total: 10)
	Contact instructor or department for details.	
0118	Christine Hakenkamp	Seats (Total: 10)
	Contact instructor or department for details.	

ANSC399 **Special Problems in Animal Science**

Work assignments are designed to be proportional to the amount of credit. Students are expected to develop an abstract, fact sheet, manuscript, oral presentation, poster, webpage, journal-log, or other scholarly product associated with their study and/or project.

Contact department for information to register for this course.

ANSC497 **Animal Biotechnology Recombinant DNA Laboratory**

(Perm req)

Prerequisite: ANSC327; or students who have taken courses with comparable content may contact the department. Recommended: ANSC437 and ANSC435.

An advanced course offering hands-on experience in performing recombinant DNA experiments. Current molecular biology techniques used for cloning genes, analyzing the gene products, and modifying the genes of animals will be performed. Techniques include isolation of DNA, use of restriction enzymes; cloning procedures, PCR analysis, and Southern hybridizations. Lecture material focuses on interpretation of results generated in the laboratory.

0101	Lisa Taneyhill	Seats (Total: 10)
	MTuWThF 9:00am - 5:00pm	ANS 0108

ANSC688G **Special Topics; Animal Biotechnology Recombinant DNA Laboratory**

(Perm req)

Lectures, experimental courses, and other special subjects in the fields of animal sciences and veterinary medicine.

0101	Lisa Taneyhill	Seats (Total: 10)
	MTuWThF 9:00am - 5:00pm	ANS 0108

ANSC699 **Special Problems in Animal Science**

Work assigned in proportion to amount of credit. Prerequisite: approval of staff. Problems will be assigned which relate specifically to the character of work the student is pursuing.

0191	Andrew Schiffmacher	Seats (Total: 5)	
	Contact instructor or department for details.		

ANSC799 **Master's Thesis Research**
Contact department for information to register for this course.

ANSC899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

ANTH Anthropology Winter 2025

ANTH222 **Introduction to Ecological and Evolutionary Anthropology**

Credit only granted for: ANTH220 or ANTH222.

An introduction to the evolution of human physiology and human behavior, the relationship between hominid and non-hominid primates, and the study of relationships between a population of humans and their biophysical environment.

Students must pay a $40.00 lab materials fee.

0101	Elizabeth Veatch	Seats (Total: 20)	
	Class time/details on ELMs MW 11:00am - 4:00pm	ONLINE WDS 0124B	Lab
0102	Elizabeth Veatch	Seats (Total: 20)	
	Class time/details on ELMs TuTh 11:00am - 4:00pm	ONLINE WDS 0124B	Lab

ANTH240 **Introduction to Archaeology**

Exploration of the variety of past human societies and cultures through archaeology, from the emergence of anatomically modern humans to the more recent historical past.

WB11	Joshua Samuels	Seats (Total: 25)	
	Class time/details on ELMs MF 2:00pm - 3:00pm	ONLINE ONLINE	Discussion

ANTH260 **Introduction to Sociocultural Anthropology and Linguistics**

Culture and social relationships in a wide variety of settings from small-scale to complex societies. An overview of how anthropology analyzes human behavior. Particular attention to the relationship between language and culture.

WB11	Melissa Stevens	Seats (Total: 25)	
	Class time/details on ELMs	ONLINE	

ANTH263 **Sexuality and Culture**

Credit only granted for: ANTH298K or ANTH263. Formerly: ANTH298K.

An overview of sexuality from an anthropological perspective, looking at aspects of sexuality within our own culture and in cultures around the world. Course topics include the biology and culture of sex, gender, physical attraction, sexual orientation, marriage and mating taboos, fertility control, sexually transmitted diseases, and commercial aspects of sex.

WB11	Jeanne Hanna	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ANTH264 **Immigration Policy, Immigrant Lives**

Cross-listed with: IMMR219C. Credit only granted for: ANTH264 or IMMR219C.

An examination of the phenomenon of international migration, or immigration. Students develop awareness of how immigration has been framed in the general public and examined by social science disciplines, most prominently anthropology. Examination of case studies of different immigrant groups in distinct geographic contexts will illuminate the varied incorporation experiences of immigrants into U.S. society.

WB11	Mai Alkhamissi	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	F 10:00am - 12:00pm	ONLINE

ANTH265 **Anthropology of Global Health**

An overview of the growing field of global health including health care systems, medical practices, ideas about illness in cross-cultural contexts, issues of health development, global health inequity, and human rights issues. The course will focus on the history of global health, the critique of major international health agencies and their development paradigms, and the political economy of social inequalities and health.

WB11	Samantha Primiano	Seats (Total: 25)
	MW 1:00pm - 3:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ANTH266 **Changing Climate, Changing Cultures**

Explore past, present, and future interactions between humans and climate. Discussions, methods-oriented activities, and case study analyses provide students a foundation for appreciating the role of anthropology in understanding, responding to, and preparing for climate change.

WB11	Jana Kopelentova Rehak	Seats (Total: 30)
	Tu 2:00pm - 4:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ANTH358A **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Archaeology**

(Perm req)

Individual instruction course: contact department or instructor to obtain section and index numbers.

Contact department for information to register for this course.

ANTH358B **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Bio-Anthropology**

(Perm req)

Individual instruction course: contact department or instructor to obtain section and index numbers.

I104	Ampson Hagan Contact instructor or department for details.	Seats (Total: 5)
I105	Miguel Vilar Contact instructor or department for details.	Seats (Total: 5)
I106	Cady Gonzalez Valdivia Contact instructor or department for details.	Seats (Total: 5)
I108	Emilia Guevara Contact instructor or department for details.	Seats (Total: 5)
I118	Joseph Richardson Contact instructor or department for details.	Seats (Total: 5)

ANTH358C **Undergraduate Teaching Assistant; Undergraduate Teaching Assistant in Cultural Anthropology**

(Perm req)

Individual instruction course: contact department or instructor to obtain section and index numbers.

I104	Ampson Hagan Contact instructor or department for details.	Seats (Total: 5)
I105	Miguel Vilar Contact instructor or department for details.	Seats (Total: 5)
I106	Cady Gonzalez Valdivia Contact instructor or department for details.	Seats (Total: 5)
I108	Emilia Guevara Contact instructor or department for details.	Seats (Total: 5)
I118	Joseph Richardson Contact instructor or department for details.	Seats (Total: 5)

ANTH386 **Experiential Learning**

(Perm req)

Recommended: Completion of advanced courses in relevant subfield of anthropology recommended. Restriction: Permission of BSOS-Anthropology department; and junior standing or higher; and must be in Anthropology program.

Contact department for information to register for this course.

ANTH398A **Independent Study**

Independent interdisciplinary research and reading in specific areas of anthropology.

Contact department for information to register for this course.

ANTH407 **Anthropology and Development**

Jointly offered with: ANTH607. Credit only granted for: ANTH407 or ANTH607.

An examination of the intersection of Anthropology, international development and foreign policy. The course provides students with conceptual tools to engage with international development and other assistance projects in areas including conservation and climate change, governance and human security, gender, human rights, and political stability from a variety of viewpoints.

WB11	Christopher Hewlett, Eduardo Fernandez	Seats (Total: 20)
	TuTh 2:00pm - 5:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ANTH463 **Climate Cultures**

Climate change is an inherently global problem. To a significant degree, its causes and consequences are cultural in nature: Climate change impacts, mitigation and adaptation efforts are perceived and addressed in culture-specific ways. This course will be an overview of the holistic and anthropological approaches to the study of how culture frames what we know and how we respond to climate change. Readings, lectures, and discussions will focus on how culture is expressed through the interplay of processes and practices in specific economic, social and political contexts.

WB11	Grit Martinez	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH469J **Advanced Special Topics in Cultural Anthropology; Educational Anthropology**

Upper level cultural anthropology courses on varying topics derived from new interests of the faculty or the specialties of visiting scholars.

An exploration of the study of schools, and the roles of students, teachers, families and communities in constructing schooling, from an anthropological and ethnographic perspective.

WB11	Jacqueline Messing	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH476 **Senior Research**

(Perm req)

Restriction: Must be in Anthropology program. Credit only granted for: ANTH476 or ANTH486.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of a senior thesis in anthropology.

Contact department for information to register for this course.

ANTH477 **Senior Thesis**

(Perm req)

Prerequisite: ANTH476. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program. Credit only granted for: ANTH477 or ANTH487.

Capstone course in which students write a senior thesis on independent research into a current problem in anthropology. The thesis is defined before a committee of faculty.

Contact department for information to register for this course.

ANTH485 **Honors Research Preparation**

(Perm req)

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program.

Honors Research Preparation is an independent study course during which the Honors candidate will work with their Honors Thesis Advisor to establish not only the structure of the thesis and timeline, but also the formation of Thesis Review Committee.

Contact department for information to register for this course.

ANTH486 **Honors Research**

(Perm req)

Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH486 or ANTH476.

Capstone course in which students pursue independent research into a current problem in anthropology, selected with assistance of a committee of faculty. Research leads to the writing of an honors thesis in anthropology.

Contact department for information to register for this course.

ANTH487 **Honors Thesis**

(Perm req)

Prerequisite: ANTH486. Restriction: Permission of BSOS-Anthropology department; and must be in Anthropology program; and must be admitted to University Honors Program or Anthropology Honors Program. Credit only granted for: ANTH487 or ANTH477.

Capstone course in which students write a thesis on the results of independent research into a current problem in anthropology.

Contact department for information to register for this course.

ANTH607 **Anthropology and Development**

Jointly offered with: ANTH407. Credit only granted for: ANTH407 or ANTH607.

An examination of the intersection of Anthropology, international development and foreign policy. The course provides students with conceptual tools to engage with international development and other assistance projects in areas including conservation and climate change, governance and human security, gender, human rights, and political stability from a variety of viewpoints.

WB11	Eduardo Fernandez, Christopher Hewlett	Seats (Total: 20)
	TuTh 2:00pm - 5:00pm	ONLINE
	Class time/details on ELMs	ONLINE

ANTH688C **Current Developments in Anthropology; Climate Cultures**

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

WB11	Grit Martinez	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH688F **Current Developments in Anthropology; Immigration Policy, Immigrant Lives**

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

An examination of the phenomenon of international migration, or immigration. Students develop awareness of how immigration has been framed in the general public and examined by social science disciplines, most prominently anthropology. Examination of case studies of different immigrant groups in distinct geographic contexts will illuminate the varied incorporation experiences of immigrants into U.S. society.

WB11	Mai Alkhamissi	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	F 10:00am - 12:00pm	ONLINE

ANTH688J **Current Developments in Anthropology; Educational Anthropology**

Detailed investigation of a current problem or research technique, the topic to be chosen in accordance with faculty interests and student needs.

An exploration of the study of schools, and the roles of students, teachers, families and communities in constructing schooling, from an anthropological and ethnographic perspective.

WB11	Jacqueline Messing	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ANTH689A **Special Problems in Anthropology**
Contact department for information to register for this course.

ANTH701 **Anthropology Internship Preparation**

Preparation for internship includes practicum training in development, presentation and evaluation of position papers, proposals and work plans; literature search and use of secondary data sources in decision making the effect cultural analysis and resource management; ethics and professional development for work in non-academic settings.

Contact department for information to register for this course.

ANTH712 **Anthropology Internship Analysis**

Prerequisite: ANTH789.

The preparation and presentation of internship results, and the development of skills in report writing and presentation. Includes the completion of a professional quality report or publishable paper based on the internship experience.

Contact department for information to register for this course.

ANTH742 **Advanced Methods in CRM**

Restriction: Must be in the Cultural and Heritage Resource Management Program (CHRM); or by permission of the Anthropology department.

An examination of the range of nondestructive technologies used to research and image cultural and heritage resources. Standard archaeological survey methods will be covered and will focus on remote sensing technologies and how an integrated approach to archaeological investigation can reveal vital information for resource planning, interpretation, and outreach.

PLA1	Lyle Torp	Seats (Total: 25)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH744 **Collections, Data Management and Cultural Materials Preservation**

Restriction: Must be in the Cultural and Heritage Resource Management Program (CHRM); or by permission of the Anthropology department.

An overview of the process of collecting cultural materials and samples with the goal of obtaining as much information during analysis as possible followed by content relating to archaeological curation and collections management. Provides information on the preservation of cultural materials from the time they leave the field until they are placed in a certified collections facility.

PLA1	Hannah Smith	Seats (Total: 17)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	
PLA2	Hannah Smith	Seats (Total: 17)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH749 **Cultural and Heritage Resource Management Internship**

An internship/practicum that would contribute to students' understanding of the overall process of CHRM. Students who are already working in CRM or a closely related field may use their employment as their practicum if the opportunity is available for them to learn beyond their current job duties.

PLA1	Matthew Palus	Seats (Total: 20)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH788 **Internship Research**

(Perm req)

This course augments ANTH 789 and is graded in conjunction with it.

Contact department for information to register for this course.

ANTH789 **Internship**

Individual instruction course supervised by a department faculty member.

Contact department for information to register for this course.

ANTH799 **Master's Thesis Research; Cultural and Heritage Resource Management Thesis**

PLA1	Matthew Palus	Seats (Total: 20)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Cultural & Heritage Resource Management program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ANTH898 **Pre-Candidacy Research**
Contact department for information to register for this course.

ANTH899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

AOSC Atmospheric and Oceanic Science Winter 2025

AOSC123 **Causes and Consequences of Global Change**

Cross-listed with: GEOL123. Credit only granted for: AOSC123, GEOG123, or GEOL123.

Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

WB11	Samantha Kemper	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

AOSC200 **Weather and Climate**

Prerequisite: MATH107, MATH110, or MATH115. Recommended: Concurrent enrollment in AOSC201.

What are weather and climate? Most people think they know but if you ask people to explain the differences and similarities you're bound to get a range of answers. Weather affects not just our daily activities but other important aspects of society such as transportation, commerce, security and agriculture. Most people understand what weather is to some extent. Climate and climate change are concepts that evoke strong emotional responses from people but are less well understood. In this class, students examine fundamental issues such as the greenhouse effect, severe weather, and global weather patterns and how they relate to a changing climate. Instruction in the lectures will provide the basic knowledge needed to understand these issues. In the discussion sections, students will be divided into groups to address the implications of these topics through group projects.

WB11	Jeffrey Henrikson	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
WB12	Jeffrey Henrikson	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

WB13	Jeffrey Henrikson	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	

AOSC201 **Weather and Climate Laboratory**

Corequisite: AOSC200.

Laboratory exercises to supplement AOSC200, including weather observations, weather map analysis, forecasting practice and climate modeling.

WB11	Jeffrey Henrikson, Sarah Loughran, Katharina Gallmeier, Peter H'Doubler	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	Lab
WB12	Peter H'Doubler, Jeffrey Henrikson, Sarah Loughran, Katharina Gallmeier	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	Lab

AOSC899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

ARAB Arabic Winter 2025

ARAB398Q **Special Topics in Arabic Studies; Arab Television: From Broadcasting to Streaming**

In-depth study of a particular aspect of Arabic culture, literature, and language. Specific topic to be announced when offered. Taught in Arabic.

Cross-listed with CINE329Q. Credit only granted for ARAB398Q or CINE329Q. This asynchronous course will examine the development of the televisio industry in the Arabic speaking world, as it transformed from broadcasting to satellite television to streaming platforms. We will analyze the central features of this medium and the pivotal role it continues to play in regional politics and culture. A particular focus will be on transnational television genres, including scripted series, talk shows, and reality TV.

WB11	Valerie Anishchenkova	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ARCH Architecture Winter 2025

ARCH428Q **Selected Topics in Architectural History; History of Japanese Architecture**

(Perm req)

Selected Topics in Architectural History

0101	Robert Vann	Seats (Total: 10)
	MTuWThF 9:00am - 12:00pm	ARC 1101

ARCH448B **Selected Topics in Visual Studies in Architecture; Design Drawing: Explorations in Mixed-Media**

(Perm req)

Selected Topics in Visual Studies in Architecture

WB11	Kenneth Filler	Seats (Total: 20)
	MTh 1:00pm - 3:00pm	ONLINE
	Tu 1:00pm - 4:00pm	ONLINE

ARCH478D **Selected Topics in Architecture; Havana's Art & Culture: The Intersection of Architecutre, Planning, Preservation and Economics**

Selected Topics in Architecture

Cross-listed with ARCH678D, HISP619C, RDEV689C, URSP399I, and URSP688R. Credit only granted for ARCH478D, ARCH678D, HISP619C, RDEV689C, URSP399I, or URSP688R. This course will explore art and culture in Havana, Cuba as the intersection of architecture, planning, preservation, and economics, including real estate development. Havana is one of the oldest cities in the hemisphere, having just celebrated its 500th anniversary. The course will provide the opportunity for the students to intensely interact (virtually, from Havana) with Cuban experts in each discipline. Students will first learn about the rich and complex contextual past and present framework for how these four disciplines interact and are manifested in the arts, culture, and society. Group projects will apply the learning to specific neighborhoods in Havana. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide opportunities for virtual, project-based, and international collaboration.

Contact department for information to register for this course.

ARCH628Q **Selected Topics in Architectural History; history of japanese architecture**

(Perm req)

Graduate Selected Topics in Architectural History

0101	Robert Vann	Seats (Total: 10)
	MTuWThF 9:00am - 12:00pm	ARC 1101

ARCH678D **Advanced Selected Topics in Architecture; Havana's Art & Culture: The Intersection of Architecutre, Planning, Preservation and Economics**

Graduate Selected Topics in Architecture.

Cross-listed with ARCH478D, HISP619C, RDEV689C, URSP399I, and URSP688R. Credit only granted for ARCH478D, ARCH678D, HISP619C, RDEV689C, URSP399I, or URSP688R. This course will explore art and culture in Havana, Cuba as the intersection of architecture, planning, preservation, and economics, including real estate development. Havana is one of the oldest cities in the hemisphere, having just celebrated its 500th anniversary. The course will provide the opportunity for the students to intensely interact (virtually, from Havana) with Cuban experts in each discipline. Students will first learn about the rich and complex contextual past and present framework for how these four disciplines interact and are manifested in the arts, culture, and society. Group projects will apply the learning to specific neighborhoods in Havana. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide opportunities for virtual, project-based, and international collaboration.

Contact department for information to register for this course.

ARCH678W **Advanced Selected Topics in Architecture; ULI Seminar**

(Perm req)

Graduate Selected Topics in Architecture.

WB11	Matthew Bell	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

ARHU Arts and Humanities Winter 2025

ARHU230 **Introduction to Humanities, Health, and Medicine**

Restriction: Permission of ARHU-English Department. Cross-listed with: ENGL254, HIST219N, WGSS230. Credit only granted for: ARHU230 , ENGL289C, ENGL254, ARHU298A, HIST219N, or WGSS230.

An overview of the historical, cultural, ethical, and spiritual dimensions of medicine, human health, disease, and death from the points of view of various humanistic disciplines.

WB11	Daniel Richter	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ARHU269A **Morocco: In the Footsteps of the Beat Generation**

Cross-listed with: ENGL269M. Credit only granted for: ARHU269A or ENGL269M.

Educates students about the history, culture and socio-political situation in Morocco through the reading of fiction related to this country. The focus will be on the intersection of American and Moroccan culture and will cover film, music and literature. The American perception of the "orient" has historically been channeled through the French characterization of Arab societies in North Africa. This course aims to disentangle this western mythology from reality in Morocco. Some of the themes addressed will be globalization, colonialism, racism, orientalism, and women's oppression

Contact department for information to register for this course.

ARHU298L **"Are you - Nobody - too?" Why we create and share stories, poems, comics and zines**

Our ability to create and maintain meaningful social connections tells us that we are not alone; it reminds us that we are connected to something larger, a community, a group of people willing to celebrate our triumphs and help us cope during difficult times. Emphasizing the principles of participation, connection, and collaboration, this course explores how various traditionally marginalized people form their own cultural communities and develop a sense of reciprocal belonging through the creation (and independent distribution) of stories, poems, spoken word poetry, comics and zines.In spite of intersectional obstacles such as the lack of political power, access to resources and economic opportunities, these communities may find it possible to redefine their place in society by demonstrating originality, resilience, and talent.

WB11	Oludolapo Demuren	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

ARHU350 **Chilean Culture, Democracy, and Social Change**

Credit only granted for: ARHU350, ARHU369C, CMLT498C, GVPT309F, HIST329N, HONR349C. Formerly: ARHU369C.

Short term education abroad course offered in Summer term, in Santiago and Valparaiso, Chile. An exploration of both the conditions that led to the 1973 coup d'etat in Chile, and the complex legacy left by the following dictatorship, including competing economic philosophies that are underpinned by religious, historical, and ideological components. This course focuses on how the arts and literature continued to flourish during the dictatorship, and how they have played a continuing role in the country's recovery from its traumatic past.

Contact department for information to register for this course.

ARTH Art History & Archaeology Winter 2025

ARTH200 **Art and Society in Ancient and Medieval Europe and the Mediterranean**

Examines the material culture and visual expressions of Mediterranean and European societies from early times until ca. 1300 CE, emphasizing the political, social, and religious context of the works studied, the relationships of the works to the societies that created them, and the interrelationship of these societies.

WB11	Tony Cui	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH201 **Art and Society in the West from the Renaissance to the Present**

Examines representative European and American works of art from the later Middle Ages to the present, highlighting the dynamic exchange between artistic and cultural traditions both within periods and across time.

WB11	Ashley Cope	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH330 **Seventeenth-Century European Art**

Painting, sculpture and architecture concentrating on Italy, Spain, France, and England.

WB11	Hannah Prescott	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH359B **Film as Art; FILMS OF QUENTIN TARANTINO**

The study of film as a visual art, from theoretical, cultural and aesthetic perspectives. Content varies by semester.

WB11	Greg Metcalf	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ARTH369D **Special Topics in Study Abroad III; Ancient Greek & Roman Cultures in Italy**

Special topics course taken as part of an approved study abroad program.

This introductory course will examine the ancient Greeks and Romans in Italy through investigation of significant sites, monuments and museum collections in Rome and the Bay of Naples area. The essence of the course is virtual site visits that bring students into contact with original artifacts and monuments through which we may understand these ancient cultures.

Contact department for information to register for this course.

ARTT Art Studio Winter 2025

ARTT343 **Elements of Printmaking: Screen Printing**

Prerequisite: ARTT200, ARTT210, and ARTT150; or permission of ARHU-Art department.

Concepts and fundamental processes related to silkscreen printing.

0101	Varvara Tokareva	Seats (Total: 15)
	MTuWThF 10:00am - 3:00pm	ASY 1317

ARTT456 **Motion Design**

Prerequisite: ARTT355, ARTT356, and ARTT357; or permission of ARHU-Art department.

Explores computer graphics and visual communication principles in a time-based context. Examination of fundamental design principles through digital projects that involve photo manipulation, digital illustration, layout, animation, and web design.

WB11	Antwon Key	Seats (Total: 15)
	MTuWThF 10:00am - 3:00pm	ONLINE

ARTT698A **Directed Graduate Studies in Studio Art**

Independent work. Meetings with faculty and studio time arranged.

0101	Justin Strom	Seats (Total: 1)
	Contact instructor or department for details.	

ARTT698B **Directed Graduate Studies in Studio Art**

Independent work. Meetings with faculty and studio time arranged.

0101	Shannon Collis	Seats (Total: 1)
	Contact instructor or department for details.	

BCHM Biochemistry Winter 2025

BCHM677 **Computational Tools in Biochemistry**

Prerequisite: BCHM674 or BCHM671; or permission of instructor. Restriction: Must be in one of the following programs (Biochemistry (Master's); Biochemistry (Doctoral)) ; or permission of instructor.

A practical, hands-on introduction to the application of computational tools that support biochemistry research. Selected topics may include: efficient use of scientific literature databases and the preparation of professional bibliographies; proteomics and mass spectrometry; bioinformatics and genomics programs an database resources; molecular structure visualization and modeling; quatitative data fitting and error analysis; and laboratory research ethics.

Class begins meeting on Wednesday, January 6th.

0101	Paul Paukstelis	Seats (Total: 20)
	MWF 9:00am - 12:50pm	PLS 1146

BDBA Doctor of Business Administration Winter 2025

BDBA858R **Special Topics in Marketing; Platform Strategy and Transformation**

Special topics specific to the Marketing doctoral field of study.

Cross-listed with BUSO758F. Credit only granted for BUSO758F or BDBA858R.

WW11	Bo Zhou	Seats (Total: 50)
	Meets January 6, 2025 - January 22, 2025	
	MW 6:30pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

BIOE Bioengineering Winter 2025

BIOE241 **Biocomputational Methods**

(Perm req)

Restriction: Permission of ENGR-Fischell Department of Bioengineering department.

Application of computer technology to biological and natural resource systems considering engineering aspects. Designed to help students in the use of computer technology for problem solving. The course will cover 4-5 software packages important for later use by the student.

WB11	Kyung Koh	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

BIOE447 **Clinical Experiences in Bioengineering**

(Perm req)

Prerequisite: BIOE221. Restriction: Permission of ENGR-Fischell Department of Bioengineering department. Credit only granted for: BIOE489O or BIOE447. Formerly: BIOE489O.

An immersion experience in the clinical settings in which biomedical engineering strategies, technologies, and practices are applied. An emphasis will be placed on both clinical problems and engineering solutions.

0101	Giuliano Scarcelli	Seats (Total: 15)
	MTuWTh 9:00am - 12:30pm	CSI 2118
	BIOE447 in winter will be held in part at the University of Maryland Medical School in Baltimore. Please contact course instructor or Department of Bioengineering for details.	

BIOE489X **Special Topics in Bioengineering; Primary Literature in Genome Editing**

(Perm req)

Exploring a variety of topics with Bioengineering.

Prereqs: BIOE120, BIOE121, BSCI330 The course will introduce students to the field of genome editing. After reviewing basic molecular biology concepts necessary to engage with the material, the course will explore the relevant cutting-edge technologies via in-depth analysis of the primary literature, both historically important and recent landmark papers.

WB11	Jarred Callura	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

BIOL Biology Winter 2025

BIOL708F **Advanced Topics in Biology; Infectious Disease Dynamics: A Systems Approach**

Lectures, experimental courses and other special instructions in various zoological subjects.

Credit only granted for: BIOL708F or BSCI439C. Understanding and controlling the dynamics of infectious diseases remain challenging since factors that drive dynamics are highly interrelated, ranging from host-pathogen interactions, the impact of the nvironment, and human factors like communication, individual behavior, and surveillance. In this course, we will introduce systems thinking as a tool to characterize interaction networks that impact population-level disease dynamics. We will discuss their use for building strategies of disease prevention and mitigation for a range of diseases in human and environmental contexts, and learn to develop and run systems-informed epidemiological simulations.

0101	Stephen Beckett, Gabi Steinbach	Seats (Total: 10)	
	Tu 1:00pm - 4:00pm	PLS 1121	
	W 1:00pm - 3:00pm	PLS 1121	

BIOM Biometrics Winter 2025

BIOM301 **Introduction to Biometrics**

Prerequisite: MATH113 or MATH115.

Descriptive statistics, introduction to probability, sampling, confidence interval estimation, hypothesis testing, simple regression and correlation. Emphasis on simple applications of statistical techniques and interpretation of statistical results.

WB11	Christine Hakenkamp	Seats (Total: 120)	
	MTuWThF 11:00am - 1:00pm	ONLINE	
	MTuWThF 1:00pm - 2:00pm	ONLINE	Discussion

BISI Biological Sciences Winter 2025

BISI799 **Master's Thesis Research**
Contact department for information to register for this course.

BISI899 **Doctoral Dissertation Research**

0102	Hector Corrada Bravo	Seats (Total: 1)
	Contact instructor or department for details.	

BMGT Business and Management Winter 2025

BMGT099 **Internship Seminar**

(Perm req)

Complements students' supervised work experiences. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Contact department for information to register for this course.

BMGT110 **Introduction to the Business Value Chain**

Students are provided with an introduction to the business value chain with an emphasis on inter-organizational and intra-organizational coordination of core business processes. Emphasis is on cross-functional integration and the efficient and effective management of core processes with an emphasis on marketing, operations and supply chain management.

WB11	Jeffrey Mund Class time/details on ELMs	Seats (Total: 40) ONLINE

BMGT220 Principles of Accounting I

Basic theory and techniques of contemporary financial accounting. Includes the accounting cycle and the preparation of financial statements for single owner and partnership forms of business organizations operating as service companies or merchandisers.

WB11	Yang Liu TuWThF 1:30pm - 4:40pm	Seats (Total: 45) ONLINE

BMGT221 Principles of Accounting II

Prerequisite: BMGT220.

Basic theory and techniques of accounting for managerial decision making. Involves the introduction of the corporation and manufacturing operations. Includes cost-volume-profit analysis and capital budgeting. Introduces the topics of income taxation and international accounting.

WB11	Michael McMillan TuWThF 9:30am - 12:40pm	Seats (Total: 45) ONLINE

BMGT230 Business Statistics

Prerequisite: MATH113 or MATH115; or must have math eligibility of MATH120 or higher. Restriction: Must not have completed ENCE302, ENME392, STAT400, BMGT231, or ENEE324.

Introductory course in probabilistic and statistical concepts including descriptive statistics, set-theoretic development of probability, the properties of discrete and continuous random variables, sampling theory, estimation, hypothesis testing, regression and decision theory and the application of these concepts to problem solving in business and management.

WB11	Jiannan Xu TuWThF 1:30pm - 4:40pm	Seats (Total: 25) ONLINE
WB12	Eunseong Jang TuWThF 9:30am - 12:40pm	Seats (Total: 25) ONLINE

BMGT289I Why Good Managers Make Bad Decisions

This course provides an overview of the concepts, approaches, and vocabulary of evidence-based management (EBM) and provides an understanding of how experts in many disciplines can employ evidenced based decision making. EBM is an emerging movement in business to explicitly use the current best information in management decision making with special emphasis on relevant scientific findings and unbiased organizational facts. The course stresses how individuals practicing EBM learn how to rethink their approaches to data and knowledge in order to make more effective decisions.

WB11	Jeffrey Miller	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BMGT301 **Introduction to Information Systems**

Restriction: Must be in a major in BMGT-Robert H. Smith School of Business. Additional information: CMSC majors will not receive credit for this course towards their upper level concentration in their CMSC major. All BMGT majors, including students who are a double major in CMSC, must complete BMGT301 for their BMGT degree.

Comprehensive overview of information systems (IS), which explores the strategic and tactical nature of IS. The basic concepts in analyzing and designing information systems for business applications will be presented. Aspects of data management such as databases, data warehousing, data analysis, and data mining will be analyzed, and the basics of web page and web site design will be outlined. Students will also be introduced to modern information systems infrastructure such as telecommunications, networks, and information systems security. Knowledge of Excel or a similar spreadsheet tool.

WB11	Zeinab Karake	Seats (Total: 40)
	TuWThF 2:00pm - 5:10pm	ONLINE
	Class time/details on ELMs	ONLINE
	Major restriction is not applicable for this winter course. Any interested student may register.	

BMGT364 **Managing People and Organizations**

An introduction to selected aspects of human behavior in organizations generally known as organizational behavior (OB). This course is designed to help students develop systematic and fundamental understanding of people and their behaviors in organizations, as well as useful abilities and skills required to effectively and ethically manage various individual, interpersonal, group, and organization-level processes.

WB11	Amber Johnson	Seats (Total: 55)
	TuWThF 10:00am - 1:10pm	ONLINE

BMGT380 **Business Law I**

Legal aspects of business relationships. Examination of torts and business crimes, contracts and agency. The law of personal property and bailment relationships. Survey of public policy issues.

WB11	Gideon Mark	Seats (Total: 50)
	MTuWThF 10:00am - 12:55pm	ONLINE

BMGT395 **Principles of Management for Non Business Majors**

Restriction: Must not have completed BMGT364; and must not be a major in the Robert H. Smith School of Business. Credit only granted for: BMGT395 or BMGT364. Additional information: Course does not apply to a Smith School degree. Course may be substituted by BMGT364 for General Business minor students only.

Introduces concepts related to organization behavior. Topics include leadership, team decision making and management, conflict resolution and negotiations, organizational culture, and organization change. Students will learn how to apply those concepts and theories to understanding and critically analyzing various individual, interpersonal, group, and organizational management processes.

WB11	Nicole Coomber	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

BMGT398B **Individual Study in Business and Management; Germany in the New Europe: Politics, Business, and Culture**

Contact department for information to register for this course.

BMGT408G **Emerging Topics in Information Systems; Tech Consulting and Analytics Across the Pond: London**

Selected advanced topics covering emerging developments in the field of decision and information technologies.

Contact department for information to register for this course.

BMGT438R **Special Topics in Operations Management; Japan and Korea: From Here to There - Getting Products to Customers**

Selected advanced topics in operations management.

Contact department for information to register for this course.

BMGT448D **Special Topics in Finance; Finance and Markets in the New World**

Selected advanced topics in finance.

Contact department for information to register for this course.

BMGT469E **Management and Organization Short-term Study Abroad; Leading Innovation and Design in a Cross-Cultural Setting**

Selected short-term study abroad topics in management and organization.

Contact department for information to register for this course.

BMGT469F **Management and Organization Short-term Study Abroad; Business Leadership in a Global Context**

Selected short-term study abroad topics in management and organization.

Contact department for information to register for this course.

BMGT498O **Special Topics in Business and Management; Sustaining Luxury**

Special topics in business and management designed to meet the changing needs and interests of students and faculty.

Contact department for information to register for this course.

BMGT758J **Special Topics in Business and Management; International Business**

Selected advanced topics in the various fields of graduate study in business.

Credit only granted for BUSI718B or BMGT758J.

WW11	Jonathan Crocker **Meets January 6, 2025 - January 22, 2025** MW 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 5) ONLINE ONLINE
WW12	Jonathan Crocker **Meets January 6, 2025 - January 22, 2025** MW 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 3) ONLINE ONLINE

BMGT758K **Special Topics in Business and Management; Organizational Change**

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BUSI718C. Credit only granted for BUSI718C or BMGT758K.

WW11	Myeong-Gu Seo **Meets January 6, 2025 - January 22, 2025** TuTh 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 5) ONLINE ONLINE
WW12	Sheetal Singh **Meets January 6, 2025 - January 22, 2025** TuTh 8:15am - 9:45pm Class time/details on ELMs	Seats (Total: 3) ONLINE ONLINE

BMGT828 **Independent Study in Business and Management**

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

BMGT898 **Pre-Candidacy Research**

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)	

BMGT899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

BMSO Online Business MS Programs Winter 2025

BMSO778K **Special Topics in Business; Business Ethics**

Selected advanced topics in the various fields of graduate study in business.

WM11	Oguz Gencay **Meets January 6, 2025 - January 22, 2025** Class time/details on ELMs	Seats (Total: 50) ONLINE	

BMSO778Q **Special Topics in Business; Experiential Learning I**

Selected advanced topics in the various fields of graduate study in business.

WM11	Roy Thomason **Meets January 6, 2025 - January 22, 2025** Class time/details on ELMs	Seats (Total: 55) ONLINE	

BSCI Biological Sciences Program Winter 2025

BSCI222 **Principles of Genetics**

Prerequisite: CHEM131 and CHEM132; and (BSCI160 and BSCI161; or BSCI106); and (BSCI170 and BSCI171; or BSCI105). Or must have completed BSCI105 or (BSCI170 and BSCI171); and two semesters of chemistry.

Principles and mechanisms of heredity and gene expression. Considers plant, animal, and microbial organisms.

0101	Sara Lombardi, Robert Moss MTuWThF 10:00am - 12:00pm Class time/details on ELMs MTuWThF 12:40pm - 2:30pm	Seats (Total: 25) PLS 1130 ONLINE PLS 1129	 Discussion

BSCI338Z **Special Topics in Biology; Field Research**

Lectures, seminars, mini-courses and other special instruction in various biological subjects.

(Sponsoring Dept: BIOL). Cannot be used as credit toward the major requirements for any Biological Sciences major.

I101	Hadiya Woodham	Seats (Total: 10)
	Contact instructor or department for details.	

BSCI339M **Selected Topics in Biology; Belize: Tropical Biology and Mayan Culture**

Lectures, seminars, and other selected instruction courses in various biological subject matter.

Contact department for information to register for this course.

BSCI342 **Biology of Reproduction**

Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of the Harriet Tubman Department of Women, Gender, and Sexuality Studies; or permission of CMNS-Biological Sciences UG Program. Cross-listed with: WGSS326. Credit only granted for: BSCI342, WMST326 or WGSS326. Formerly: WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior and menopause.

(Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Area: GENB (Cell Biology, Development, Physiology). Cross-listed with WGSS326. Credit only granted for BSCI342 or WGSS326.

WB11	Justicia Opoku-Edusei	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

BSCI343 **Cellular Mechanisms of Aging and Disease**

Prerequisite: Minimum grade of C- in BSCI330. Credit only granted for: BSCI339I or BSCI343. Formerly: BSCI339I.

Explore how alterations in normal cellular and molecular processes lead to both aging and a variety of non-infectious human diseases currently plaguing our society. Students will read, analyze, and discuss current primary and secondary literature in the field of cell biology and biomedicine.

(Sponsoring Dept: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG (Cell Biology Group), GENB (Cell Biology, Development, Physiology category), and PHNB.

WB11	Hadiya Woodham	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

BSCI348J **Special Topics in Cell Biology and Molecular Genetics; Medical Microbiology**

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

Prerequisite: BSCI105 (grade of B or better) or BSCI223 or BSCI283. Credit only granted for BSCI424 or BSCI348J. Mechanisms of pathogenesis detection, prevention and treatment of bacterial, viral and parasitic pathogens of humans.

WB11	Volker Briken	Seats (Total: 13)
	Class time/details on ELMs	ONLINE

BSCI348M **Special Topics in Cell Biology and Molecular Genetics; Epidemiology of Microbial Pathogens**

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

Acceptable towards Biological Sciences areas: MICB and GENB. Prerequisite: BSCI105. Study of infectious bacteria and viruses acting at the population level in humans and animals. Identification of causes and spread of infection.

WB11	Jeffrey Olimpo	Seats (Total: 28)
	Class time/details on ELMs	ONLINE

BSCI348R **Special Topics in Cell Biology and Molecular Genetics; Microbiology Internship**

(Perm req)

Presentation and discussion of special subjects in the field of cell biology and molecular genetics. A maximum of three credit hours of BSCI348 may be applied to the BSCI major.

(Sponsoring Dept.: CBMG). An opportunity for students interested in microbiology to pursue a research project in an off-campus lab. The student must see the instructor and complete an information sheet found on the web site, prior to enrolling in the course. Web site: https://go.umd.edu/SqU

I101	David Straney	Seats (Total: 5)
	Contact instructor or department for details.	

BSCI353 **Cellular and Molecular Neuroscience**

Prerequisite: 1 course with a minimum grade of C- from NEUR200, BSCI207 or BSCI330. Corequisite: Must have completed or be concurrently enrolled in PHYS132 or equivalent course. Cross-listed with: NEUR306. Credit only granted for: NEUR306 or BSCI353.

Students will gain an appreciation of neuroscience as the nexus of chemistry, physics, and biology. Additionally, they will gain an understanding of how: both individual and networks of neurons function as variable electrical circuits; our nervous systems transduce signals from the outside world and sets-off molecular cascades; the behavior of a neuron can be changed and or remain the same in response to changing variables. Techniques used to study the nervous system at a cellular and molecular level will be discussed.

(Sponsoring Dept.: BIOL). Acceptable toward Biological Sciences Specialization Areas: CEBG (Cell Biology Group), GENB (Cell Biology, Development, Physiology category), and PHNB.

WB11	Chan Lin	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

BSCI370 **Principles of Evolution**

Prerequisite: Minimum grade of C- in BSCI160, BSCI161, and BSCI222 .

Understanding evolutionary processes in a natural and human environment, including adaptation; DNA sequence, protein, and genome evolution; evolution of developmental mechanisms; mechanisms of evolutionary change (mutation, natural selection, drift); epidemiology; coevolution and biological control; speciation; comparative methods; extinction and conservation; human evolution.

WB11	Zeke Gonzalez	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

BSCI379G **Cell Biology and Molecular Genetics Department Research; Research in Cell Biology and Molecular Genetics**

(Perm req)

This course is arranged to provide qualified majors an opportunity to pursue research problems under the supervision of a faculty member of the department.

Contact department for information to register for this course.

BSCI399 **Biology Department Research**

(Perm req)

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Contact department for information to register for this course.

BSCI399L **Biology Department Research; Biology Lab Research**

(Perm req)

Research and/or integrated reading in biology under the direction and close supervision of a member of the faculty.

Contact department for information to register for this course.

BSCI433 **Biology of Cancer**

Prerequisite: BSCI222 and BSCI330; or permission of CMNS-Biological Sciences UG Program.

Causes and consequences of neoplastic transformations at the biochemical and cellular levels.

(Sponsoring Dept.: BIOL). Acceptable towards Biological Sciences Specialization Areas: CEBG (Cell Biology Group), GENB (Cell Biology, Development, Physiology category), and PHNB.

WB11	Sara Lombardi, Carmen Cantemir-Stone	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

BSCI439C **Undergraduate Advanced Selected Topics in Biology; Infectious Disease Dynamics: A Systems Approach**

Lectures, seminars, mini-courses, and other special instruction in various biological subjects.

Prerequisites: Junior standing, C- or better in either MATH136 OR MATH140 (or a higher level course) AND BSCI170. This course will count as a PHNB area course and a GENB "additional courses" course. Understanding and controlling the dynamics of infectious diseases remains challenging since factors that drive dynamics are highly interrelated, ranging from host-pathogen interactions, the impact of the environment, and human factors like communication, individual behavior, and surveillance. In this course, we will introduce systems thinking as a tool to characterize interaction networks that impact population-level disease dynamics. We will discuss their use for building strategies of disease prevention and mitigation for a range of diseases in human and environmental contexts, and learn to develop and run systems-informed epidemiological simulations.

0101	Stephen Beckett, Gabi Steinbach	Seats (Total: 9)
	Tu 1:00pm - 4:00pm	PLS 1121
	W 1:00pm - 3:00pm	PLS 1121

BSST Terrorism Studies Winter 2025

BSST338A **Special Topics in Terrorism Studies; Misinformation, Conspiracy Theories, and the Radicalization of Modern Societies**

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

A comprehensive exploration into belief in mis/disinformation and conspiracy theories that is instrumental in understanding radicalization in modern societies.

WB11	Max Erdemandi	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST338V **Special Topics in Terrorism Studies; Al-Qaeda, the Islamic State, and Global Jihadist Movements**

A special topics course for students in the Global Terrorism Minor program. Topics that may be offered are Psychology of Terrorism; Development of Counterterrorism Policies and Programs; Terrorism and Popular Culture; Terrorism and the Media; International Perspective on Terrorism and Counterterrorism (Education Abroad); The Evolution of Hezbollah; Terrorism and Small Wars; Political Islam in the West.

This course provides a comprehensive look at global jihadist movements, with specific focus on the groups Al-Qaeda and the Islamic State. At the completion of this course, students will have an in-depth understanding of historical and contemporary jihadist movements and a better understanding of tools to counter such groups.

WB11	Jason Blazakis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BSST399N **Individual Study in Terrorism Studies; Social Network Analysis for Terrorism**

An independent study course for students in the Global Terrorism Minor program.

Social networks are connections between nodes (actors) and links (connections between nodes). Social network analysis (SNA) is a process of studying those nodes and links with a systematic, quantitative approach to better understand how networks are constructed, what networks are capable of, and how networks can be disrupted. This course covers SNA using UCINET, a popular SNA tool to systematically understand terrorist connections in such way that allows for informed decisions on terrorist network disruption.

WB11	Michael Egnoto	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

BUSI Part-Time MBA Program Winter 2025

BUSI718C **Special Topics in Business; Organizational Change**

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BMGT758K. Credit only granted for BUSI718C or BMGT758K.

WW11	Myeong-Gu Seo	Seats (Total: 30)
	Meets January 6, 2025 - January 22, 2025	
	TuTh 6:30pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE
WW12	Sheetal Singh	Seats (Total: 30)
	Meets January 6, 2025 - January 22, 2025	
	TuTh 8:15pm - 9:45pm	ONLINE
	Class time/details on ELMs	ONLINE

BUSI758L **Special Topics in Business; Law for Technology Managers**

Selected advanced topics in the various fields of graduate study in business.

For students in the Technology Management Certificate program only. In-person meetings on 1/4 and 1/18.

DC16	Justin Reyna	Seats (Total: 40)
	Meets January 2, 2025 - January 19, 2025	
	Sa 9:00am - 5:00pm	Location: TBA
	Contact instructor or department for details.	

BUSI759 **Independent Study in Business**

(Perm req)

Independent study for Masters students in Business.

Contact department for information to register for this course.

BUSO Online MBA Program Winter 2025

BUSO714 **International Business**

Restriction: Must be in Business and Management (Master's) program; or permission of BMGT-Robert H. Smith School of Business. Credit only granted for: BMGT794, BUSI761 or BUSO714.

The international business environment as it affects company policy and procedures. In-depth analysis and comprehensive case studies of the business functions undertaken in international operations.

Credit only granted for BUSO714 or BMGT758J.

WW11	Jonathan Crocker **Meets January 6, 2025 - January 22, 2025** MW 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 47) ONLINE ONLINE
WW12	Jonathan Crocker **Meets January 6, 2025 - January 22, 2025** MW 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 47) ONLINE ONLINE

BUSO758C **Special Topics in Business; Corporate Venturing**

Selected advanced topics in the various fields of graduate study in business.

WW11	Oliver Schlake **Meets January 6, 2025 - January 22, 2025** TuTh 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 30) ONLINE ONLINE
WW12	Oliver Schlake **Meets January 6, 2025 - January 22, 2025** TuTh 8:15pm - 9:45pm Class time/details on ELMs	Seats (Total: 40) ONLINE ONLINE

BUSO758F **Special Topics in Business; Platform Strategy and Transformation**

Selected advanced topics in the various fields of graduate study in business.

Cross-listed with BDBA858R. Credit only granted for BUSO758F or BDBA858R.

WW11	Bo Zhou **Meets January 6, 2025 - January 22, 2025** MW 6:30pm - 8:00pm Class time/details on ELMs	Seats (Total: 50) ONLINE ONLINE

CBMG Cell Biology & Molecular Genetics Winter 2025

CBMG899 **Doctoral Dissertation Research**

Doctoral Dissertation Research.

0121	Jeffrey DeStefano Contact instructor or department for details.	Seats (Total: 10)
0155	Volker Briken Contact instructor or department for details.	Seats (Total: 1)

CCJS Criminology and Criminal Justice Winter 2025

CCJS100 **Introduction to Criminal Justice**

Introduction to the administration of criminal justice in a democratic society, with emphasis on the theoretical and historical development of law enforcement. The principles of organization and administration for law enforcement; functions and specific activities; planning and research; public relations; personnel and training; inspection and control; direction; policy formulation.

WB11	Dixin Li Class time/details on ELMs	Seats (Total: 40) ONLINE

CCJS105 **Introduction to Criminology**

Criminal behavior and the methods of its study; causation; typologies of criminal acts and offenders; punishment, correction and incapacitation; prevention of crime.

WB11	Daniel Fredes Garcia Class time/details on ELMs	Seats (Total: 40) ONLINE

CCJS225 **Responses to Violence**

What are the dimensions of violence in the United States and worldwide, and how has humanity responded to violence? Conflict is unfortunately resolved through violence in a number of settings. It ranges from interpersonal to international in its scope. This course investigates the strengths and weaknesses of a number of resolutions to reducing violence over the course of history using both state centered and informal control.

WB11	Justine Madoo, Kyle Dorsey Class time/details on ELMs	Seats (Total: 40) ONLINE

CCJS325 **Slavery in the Twenty First Century: Combating Human Trafficking**

What is human trafficking and how do we stop it? An introduction to the trafficking of human beings in its historical, legal, economic, political and social contexts. Scope of the global problem, different forms of human trafficking, and regional trends and practices. Roles of government, the international community and individual actors. Strategies to combat trafficking.

WB11	Brett Lacey	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CCJS345 **Courts and Sentencing**

(Perm req)

Prerequisite: CCJS100. Restriction: Must be in a major within the BSOS-Criminology & Criminal Justice department.

Contemporary issues in the American court system such as prosecution, sentencing and punishment. Theoretical perspectives on courtroom decision-making integrated with empirical research. Courts and sentencing processes, including initial charging, pretrial detention and final sentencing outcomes. Innovations in courts and sentencing.

Please note, for Winter Term, restrictions will not apply.

WB11	Cortney Fisher	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CCJS359 **Field Training in Criminology and Corrections**

(Perm req)

Supervised field training in public or private social agencies. Group meetings, individual conferences and written program reports.

Prerequisites: (CCJS 105 or CRIM 220) and (CCJS 350 or CRIM 450), majors only and permission of department.

Contact department for information to register for this course.

CCJS398 **Law Enforcement Field Training**

(Perm req)

Supervised, structured and focused field training in law enforcement agencies.

Prerequisite: junior standing. Majors only.

Contact department for information to register for this course.

CCJS418K **Seminar in Criminology and Criminal Justice; Police-Community Relations**

(Perm req)

Selected topics of interest in the field of Criminology and Criminal Justice will be covered.

An examination of the relationship between the police and the communities they serve. Prerequisite: CCJS100, CCJS105, and CCJS300

WB11	Toryn Sperry	Seats (Total: 40)	
	Class time/details on ELMs	ONLINE	

CCJS450 **Advanced Juvenile Delinquency**

(Perm req)

Prerequisite: CCJS105 and CCJS300. Credit only granted for: CCJS350 or CCJS450.

Examination of juvenile delinquency in the United States. Nature and extent of juvenile delinquency, historical approaches, sociological and criminological theories and research, social contexts including the institutions of families, schools, and peers, and social responses. Prevention, punishment, and treatment programs, both within and outside of the juvenile justice and criminal justice systems.

WB11	Justine Madoo	Seats (Total: 40)	
	Class time/details on ELMs	ONLINE	

CHBE Chemical and Biomolecular Engineering — Winter 2025

CHBE899 **Doctoral Dissertation Research; Chemical Engineering**

(Perm req)

0141	Akua Asa-Awuku	Seats (Total: 20)	
	Contact instructor or department for details.		

CHEM Chemistry — Winter 2025

CHEM471 **Techniques in Pulse NMR**

Prerequisite: CHEM241 and CHEM242; or CHEM247. Recommended: CHEM460. Restriction: Senior standing or higher. Additional information: Persons with heart pacemakers and/or metal implants cannot take the course due to potential health hazards.

NMR techniques to operate, adjust, and calibrate the spectrometers and acquire and process NMR data in one and two dimensional NMR applications.

0101	Fu Chen	Seats (Total: 8)		
	TuTh 11:00am - 1:05pm WF 9:00am - 12:00pm	ONLINE CHM B0208A		Lab
0102	Fu Chen	Seats (Total: 7)		
	TuTh 11:00am - 1:05pm WF 1:00pm - 4:00pm	ONLINE CHM B0208A		Lab

CHEM612 **Scientific Presentations**

Prerequisite: CHEM611.

Workshops will cover all aspects of giving scientific presentations. Each student will give a presentation based oon the topic of his/her final paper in CHEM611. Presentations will be critiqued by peers and faculty members.

0101	Xiaodong Shi	Seats (Total: 60)
	MTuWThF 10:00am - 10:50am	CSI 3117

CHEM640 **Problems in Organic Reaction Mechanisms**

A tutorial type course dealing with the basic description of the fundamentals of writing organic reaction mechanisms.

0101	Xiaodong Shi	Seats (Total: 30)
	F 11:00am - 11:50am	CHM 1228

CHEM899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

CINE Cinema and Media Studies Winter 2025

CINE245 **Film Form and Culture**

Cross-listed with: ENGL245. Credit only granted for: ENGL245, CINE245 or FILM245. Formerly: FILM245.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

WB11	Dylan Lewis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

CINE319L **Special Topics in Documentary, Animation, Experimental Cinema, and Other Visual Media; Animation on TV**

Examine the possibilities of non-narrative cinema, or cinema that is structured differently from the fiction feature film, as well as other media (television, digital imagery, and photography) that entertain a close relationship with cinema in terms of form, content, and audience. Content varies.

Examines the history of animated works designed specifically for the television medium.

WB11	Paul Cote	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

CINE329D **Special Topics in National/International Cinemas; Action, Adventure, and Spectacle Film in World Cinema**

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Critical study of some of the most important examples of action, adventure, and spectacle cinema from the international and transnational perspectives. Exploration of the historical, esthetic, generic, institutional, and political significance of these films.

WB11	Jason Kuo	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

CINE329G **Special Topics in National/International Cinemas; Hollywood and Politics from 1915 to the Present**

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Cross-listed with: HIST319W. Credit only granted for: HIST319W or CINE329G Hollywood and Washington have been obsessed with each other for a long time. This course explores the history of this "dangerous" relation during the past 100 years.

WB11	Saverio Giovacchini	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CINE329Q **Special Topics in National/International Cinemas; Arab Television: From Broadcasting to Streaming**

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

Cross-listed with ARAB398Q. Credit only granted for ARAB398Q or CINE329Q. This asynchronous course will examine the development of the television industry in the Arabic speaking world, as it transformed from broadcasting to satellite television to streaming platforms. We will analyze the central features of this medium and the pivotal role it continues to play in regional politics and culture. A particular focus will be on transnational television genres, including scripted series, talk shows, and reality TV.

WB11	Valerie Anishchenkova	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

CINE329T **Special Topics in National/International Cinemas; Sports in Film**

Examine one or more national cinematic traditions (including Hollywood cinema), or may look across traditions comparatively, for example at international and/or transnational phenomena. Content varies.

WB11	Daniel Richter	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

CINE451 **Film Noir and American Culture**

Prerequisite: ENGL245, FILM245, or CINE245; or permission of ARHU-College of Arts & Humanities. Credit only granted for: CINE451 or FILM451. Formerly: FILM451.

Introduction to a variety of American movies made in the 1940s and 1950s whose dark themes and stark black-and-white lighting led to their identification as film noir.

WB11	Eric Zakim	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

CINE459K **Special Topics in Genres/Auteurs/Cinema Movements; The Art of Trilogy in World Cinema**

Special topics in genres, auteurs, and cinema movements.

Through screening, readings, and discussions, this self-paced online course will critically examine some of the most important trilogies in world cinema in order to see how cinematic trilogies, in a spectrum of genres, deepen our appreciation of each director's recurrent themes, voices, and styles. These trilogies provide great opportunities to explore ideology, gender, sexuality in media serialization. We will study the "classical" or original "Star Wars" trilogy, Leone's "Dollars" trilogy, Ang Lee's "Father Knows Best" trilogy, Spielberg's "Indian Jones" trilogy, Ray's "Apu" trilogy, Coppola's "Godfather" trilogy, and Jackson's "Lord of the Rings" trilogy, etc.

WB11	Jason Kuo	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

CINE469L **Special Topics in Film Theories II; Introduction to Queer Cinema**

Special topics in film theories.

View and critically discuss contemporary queer films through a contemporary Queer Theory lens. Exploring a range of narrativeand depictions, students will have virtual discussions and expand their critical analysis beyond the films discussed in class. Please be aware tmany of these films contain graphic sex scenes, full nudity, hate crimes depictions of illness, drag performances, and graphic violence, all of which we will unpack and discuss in class.

WB11	Rebecca Jones	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

CLAS Classics Winter 2025

CLAS170 **Ancient Myths and Modern Lives**

Cross-listed with: RELS170. Credit only granted for: CLAS170 or RELS170. Additional information: This course cannot be taken for language credit.

What are myths and why do we tell them? What powers do myths have? We will tackle these questions by looking at the enduring and fascinating myths from ancient Greece and Rome. In addition to studying how they shaped ancient societies, we will also look at their modern influence and reflect upon the power that myths still hold in our contemporary world. Taught in English.

WB11	Edward Parker	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

CLAS314 **Ancient Greek & Roman Cultures in Italy**

Credit only granted for: CLAS308G, CLAS314, or ARTH369D. Formerly: CLAS308G.

A study abroad course examining ancient Greek and Roman society in Italy through direct contact with original cultural sites, monuments, and museum collections in the city of Rome and the Bay of Naples area, including Pompeii, Herculaneum, and Paestum. Topics of lectures and discussions include ancient history, archaeology, art, and architecture, as well as daily life in antiquity, urbanism, the illicit trade in antiquities, and the preservation of cultural heritage.

This introductory course will examine the ancient Greeks and Romans in Italy through investigation of significant sites, monuments and museum collections in Rome and the Bay of Naples area. The essence of the course is virtual site visits that bring students into contact with original artifacts and monuments through which we may understand these ancient cultures.

Contact department for information to register for this course.

CLAS488G **Independent Study in Classical Civilization; Ancient Greek & Roman Cultures in Italy**

This introductory course will examine the ancient Greeks and Romans in Italy through investigation of significant sites, monuments and museum collections in Rome and the Bay of Naples area. The essence of the course is virtual site visits that bring students into contact with original artifacts and monuments through which we may understand these ancient cultures.

Contact department for information to register for this course.

CLAS688G **Special Topics in Classical Civilization; Ancient Greek & Roman Cultures in Italy**

This introductory course will examine the ancient Greeks and Romans in Italy through investigation of significant sites, monuments and museum collections in Rome and the Bay of Naples area. The essence of the course is virtual site visits that bring students into contact with original artifacts and monuments through which we may understand these ancient cultures.

Contact department for information to register for this course.

CLFS Chemical and Life Sciences Winter 2025

CLFS608 **Seminar in Current Topics in Chemical and Life Science**

(Perm req)

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.

Contact Dr. Joelle Presson (mclfs@umd.edu) to establish a mentor and then contact exst@umd.edu to register. Golden ID students are not eligible for this course.

Contact department for information to register for this course.

CLFS608A **Seminar in Current Topics in Chemical and Life Science; Independent Research**

(Perm req)

Seminar in current topics in the Life Sciences. Contact Program Director or instructor before registering.

Contact Dr. Joelle Presson (mclfs@umd.edu) to establish a mentor and then contact exst@umd.edu to register. Golden ID students are not eligible for this course.

Contact department for information to register for this course.

CLFS609B **Special Topics; The Biology of Reproduction**

Individual instruction course. Contact Program Director or instructor before registering.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

PLC1	Janet Norcross	Seats (Total: 15)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE

All living organisms are capable of reproducing. This course will take a comprehensive look at this interesting and relevant process by examining the role of hormones, developmental and genetic sex, the process of puberty, and the production of offspring. While a variety of species will be used to help you understand the reproductive process, this course will concentrate on sexual reproduction by emphasizing mammalian, especially human, reproduction.

CLFS609F **Special Topics; Principles of Paleobiology**

Individual instruction course. Contact Program Director or instructor before registering.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

PLC1	Bretton Kent	Seats (Total: 15)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE

CLFS609K **Special Topics; Current Topics in Biomedical Research**

Individual instruction course. Contact Program Director or instructor before registering.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

PLC1	Cristina Banuelos	Seats (Total: 5)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE

Biomedical research worldwide aims to identify ways to prevent and treat diseases that cause illness and death in people and animals. In this course, we will explore a diverse array of biomedical research topics including gene editing, infectious diseases, precision medicine in cancer drug discovery, cognitive aging and Alzheimers disease, drugs of addiction, health disparities, how stress influences health, and psychiatric disorders. The goal of the course is to explore cutting edge advances in biomedicine through reading and discussing primary research articles reporting findings from current studies. Students will feel comfortable delving into, reading, and discussing the primary literature and have a clearer understanding of the biomedical hot topics that are affecting communities worldwide by the end of the course.

CLFS619A **Special Topics in Chemistry; Molecular Spectroscopy**

Topics of current interest and special importance.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

PLC1	Marjan Alaghmand	Seats (Total: 15)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE

CLFS725 **Experimental Design**

Credit only granted for: LFSC710, LFSC719, or LFSC725. Formerly: LFSC719.

Experimental design and statistics for science teachers that emphasizes the underlying structure of data and how this affects the quality and reliability of experiments. Examines the nature of data, the methods for designing rigorous experiments, important experimental design formats, and the relationships between data structure and analysis. Course work focuses on the design and analysis of orginal experiments for a series of research problems.

Must be in the Master of Chemical and Life Sciences program. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this course.

Click here for program information.

PLC1	Bretton Kent	Seats (Total: 20)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE

CMSC388A **Special Topics in Computer Science; Introduction to Web Application Front End Development**

(Perm req)

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: CMSC330. Restriction: permission of department. Questions about the course should be directed to Andrej Rasevic at arasevic@cs.umd.edu

WB11	Alan Sussman	Seats (Total: 100)
	Class time/details on ELMs	ONLINE

CMSC388B **Special Topics in Computer Science; Introduction to Web Application Back End Development**

(Perm req)

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: CMSC330. Restriction: permission of department. Questions about the course should be directed to Andrej Rasevic at arasevic@cs.umd.edu

WB11	Alan Sussman	Seats (Total: 100)
	Class time/details on ELMs	ONLINE

CMSC398B **Special Topics in Computer Science; Introduction to Go**

(Perm req)

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: CMSC216. Restriction: permission of department. This course will introduce students to important topics in distributed systems programming, programmed using the Go programming language. Topics include JSON over HTTP services, protocol buffers, gRPC, service discovery and load balancing, and Kubernetes. Coursework will involve programming problems and exam-based assessments. Questions about the course should be directed to Andrej Rasevic at arasevic@cs.umd.edu

WB11	Peter Keleher	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CMSC398O **Special Topics in Computer Science; Tools for Leveraging Generative AI**

(Perm req)

Seminar courses that allow students to pursue new and emerging areas of Computer Science.

Prerequisite: Minimum grade of C- in CMSC132. Intermediate Python programming experience and basic familiarity with general APIs and Large Language Models (LLMs) is required. Please contact the instructor if you have any questions about whether you meet these prerequisites. Course description: In this course we will learn how to leverage LLM applications. We will cover tools like Langchain, Gradio, streamlit, weights and biases, etc.

WB11	Mohammad Nayeem Teli	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

CMSC498A **Selected Topics in Computer Science**

An individualized course designed to allow a student or students to pursue a selected topic not taught as a part of the regular course offerings under the supervision of a Computer Science faculty member. In addition, courses dealing with topics of special interest and/or new emerging areas of computer science will be offered with this number. Selected topics courses will be structured very much like a regular course with homework, project and exams. Credit according to work completed

Contact department for information to register for this course.

CMSC499A **Independent Undergraduate Research**

Students are provided with an opportunity to participate in a computer science research project under the guidance of a faculty advisor. Format varies. Students and supervising faculty member will agree to a research plan which must be approved by the department. As part of each research plan, students should produce a final paper delineating their contribution to the field.

Contact department for information to register for this course.

CMSC798 **Master's Non-Thesis Research**
Contact department for information to register for this course.

CMSC799 **Master's Thesis Research**

(Perm req)

Contact department for information to register for this course.

CMSC898 **Pre-Candidacy Research**

Advanced topics selected by the faculty from the literature of applications of computer science to suit the interest and background of students.

Contact department for information to register for this course.

CMSC899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

COMM Communication Winter 2025

COMM107 **Oral Communication: Principles and Practices**

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.

A study of and practice in oral communication, including principles of interviewing, group discussion, listening, informative briefings, and persuasive speeches.

WB11	Anani Kuwornu Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Najwa Albaqami Class time/details on ELMs	Seats (Total: 19) ONLINE
WB13	Hafiz Ahmad Class time/details on ELMs	Seats (Total: 19) ONLINE
WB14	Xinyi Song Class time/details on ELMs	Seats (Total: 19) ONLINE
WB15	Xingman Wu Class time/details on ELMs	Seats (Total: 19) ONLINE
WB16	Ran Ma Class time/details on ELMs	Seats (Total: 19) ONLINE
WB17	Felicity Dogbatse Class time/details on ELMs	Seats (Total: 19) ONLINE
WB18	Seyeon Park Class time/details on ELMs	Seats (Total: 19) ONLINE
WB19	Tatenda Mashanda Class time/details on ELMs	Seats (Total: 19) ONLINE

COMM130 **Professional Communication and Writing**

Restriction: Must be in the Communication major.

Designed to enhance the clarity and grace of students' writing. Students will acquire knowledge of writing based on principles of style and grammar as well as argument and organizational structure across a diversity of professional writing contexts. Students will also engage in peer review of one another's writing.

WB11	Skye De Saint Felix Class time/details on ELMs *The restriction does not apply to this Winter Session section.*	Seats (Total: 50) ONLINE

COMM200 **Critical Thinking and Speaking**

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130, OR THET285.

Theory and practice of persuasive discourse analysis and composition. Research techniques, logical and rhetorical conceptions of argument, and technical principles for persuading in public venues.

WB11	Miriam Komuhendo	Seats (Total: 19)
	Class time/details on ELMs	ONLINE

COMM288 **Communication Internship**

(Perm req)

An individual experience arranged by the student with the instructor. Does not satisfy communication major requirements. 45 hours of supervised internship per credit hour with communication professional. Not a substitute for COMM386.

I101	Julie Gowin	Seats (Total: 10)
	Contact instructor or department for details.	

COMM303 **Media Theory**

Prerequisite: COMM130 and COMM250; and one of STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one of COMM107, COMM200, or COMM230; and must have completed or be concurrently enrolled in COMM304. Restriction: Must be in the Communication major.

Provides students with an introduction to media theory from multiple perspectives. We will begin by understanding how the history of mediated communication has been connected to ideology and lived experiences. Through readings, discussions, and activities, you will understand how technical, historical, economic social, and political forces have helped shape media content and the media themselves. You should also become familiar with the debate over how much influence the media have over their audiences, and what types of influences are present. The course will introduce issues relevant to consideration of media and historically underrepresented and marginalized groups, as well as individual and societal functions of the media.

WB11	Briana Barner	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM304 **Communication Research Literacy**

Prerequisite: Must have completed the Communication gateway requirements (COMM250; and one of STAT100, BMGT230, EDMS451, CCJS200, PSYC200, or SOCY201; and one of COMM107, COMM200 or COMM230). Must have completed or be concurrently enrolled in COMM130. Restriction: Must be in the Communication program.

Explores the different research traditions in the Communication discipline. This "literacy" course will develop students' ability to locate and fully comprehend Communication research and to understand how that research is conducted, reported, analyzed, and critiqued in Communication literature.

WB11	Carina Zelaya	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM324 **Communication and Gender**

Explores how communication shapes constructions of gender, sex, sexuality and other identity markers. Topics include issues of oppression, identity, and power and social, political, and economic situations and examines how these issues impact our daily lives.

WB11	Crystal Stone	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

COMM330 **Argumentation and Public Policy**

Contemporary theories of argumentation with special emphasis on methods of formulating and critiquing public policy argument.

WB11	Divine Aboagye	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

COMM360 **The Rhetoric of Black America**

An historical-critical survey of the rhetoric of Black Americans from the colonial period to the present.

WB11	Daviana Fraser	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

COMM377 **Digital Media in London**

Credit only granted for: COMM369D or COMM377. Formerly: COMM369D.

Provides students with skills in production practice while also incorporating theory and cultural studies. Students are challenged to understand societal problems around economy, race, gender, identity and power and to extend that exploration by building projects that utilize high demand skills in the digital communication and documentary professions. Students will write, record voice over, interview people, and build projects with compelling narrative structure. The projects will be an important component of their portfolio when applying to graduate school or their first professional efforts post-graduation. Classroom discussions will contain balance between practical instruction and critical discussion built around racial, social, and economic structures and systems.

Contact department for information to register for this course.

COMM382 **Essentials of Intercultural Communication**

Credit only granted for: COMM382 or COMM482.

Introduction of major theories and concepts of intercultural communication; examination of processes that make up cultural differences; and use of intercultural communication competence skills.

WB11	Tania Nachrin	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

COMM386 **Experiential Learning**

(Perm req)

Prerequisite: Permission of ARHU-Communication department. Restriction: Junior standing or higher; and must be in Communication program.

Supervised internship experience with communication professionals. Relation of academic training to professional experience.

Hours are completed at internship site.

I101	Julie Gowin	Seats (Total: 20)
	Contact instructor or department for details.	

COMM388 **Communication Practicum**

(Perm req)

Supervised professional-level practice in communication.

Contact department for information to register for this course.

COMM390 **Health Communication**

Credit only granted for: COMM390 or COMM398E. Formerly: COMM398E.

Designed to introduce students to the academic and practical fields of health communication. It blends theoretical concepts and practical concerns that impact upon health communication processes. To be specific, this course extensively covers influential theories and models of behavior change as well as cutting-edge research on health communication interventions or campaigns, exposing students to authoritative work done in both areas. Students in this class will also learn about the process of planning a comprehensive health communication campaign and have the opportunity to work in groups to develop their own campaign plans addressing an urgent health problem.

WB11	Chantay Moye	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM398B **Selected Topics in Communication; Misinformation, Conspiracy Theories, and the Radicalization of Modern Societies**

Topical study of contemporary issues in communication.

WB11	Max Erdemandi	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

COMM449B **Special Topics in Digital Communication; Communication and Social Media**

Explores the topics that have arisen around computers, digital technologies, the internet, big data, surveillance capitalism, and network infrastructures.

This course will explore the connections between communication and social media. Students will explore not only the business ?or industry side of digital communication, but also the interpersonal and collaborative side important for inhabiting and contributing to continually evolving digital spaces of all sizes. Students can expect a hands-on, project-based approach that covers topics such as social media ethics, advocacy, management, and above all, social media communication.

WB11	Lamia Zia	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM488C **Communication Portfolio Project; Communication Careers Portfolio Project**

Preparation of the professional communication portfolio.

This course introduces students to advanced techniques in career research and readiness for internships and job exploration. This online course focuses on the fundamentals of establishing a professional presence and researching chosen careers.

WB11	Julie Gowin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM488I **Communication Portfolio Project; Strategic Interviewing for the Career You Want**

Preparation of the professional communication portfolio.

This course introduces students to advanced techniques in interviewing for job opportunities and career progression. This online course focuses on the dynamics of the interview process, the communication theories and best practices behind influence and persuasion, and the communication aptitudes and skills that distinguish top candidates.

WB11	Jiawen Doh	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

COMM498A **Seminar; Black Discourse in Digital Media**

Present-day communication research.

Examines the connections between black discourse, oral culture, and traditional media with new digital media technology. Various methods, theoretical approaches, and tools for studying social media and online communication. Crosslisted with AASP498Q. Credit only granted for COMM498A or AASP498Q. Satisfies elective requirements for the Digital Studies in the Arts and Humanities (DSAH) graduate certificate.

WB11	Rianna Walcott	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM498J **Seminar; Strategic Communication**

Present-day communication research.

This course presents a system of strategies that underlie communication. It is a practice-based framework with definitions, conditions, risks and rewards that inform the moves and motives of influence professionals. Through a series of interactive lectures, landmark writings, group exercises and classroom simulations, students will learn to decode, defend, apply and ethically manage the ever-present plays of dynamic, media-driven markets.

WB11	Nana Kwame Osei Fordjour	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

COMM798 **Independent Study**

An individual course designed for intensive study or research of problems in communication.

0153	Kang Namkoong	Seats (Total: 5)
	Contact instructor or department for details.	

COMM899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

DANC Dance Winter 2025

DANC398 **Directed Studies in Dance**

(Perm req)

WB11	Crystal Davis	Seats (Total: 1)
	Class time/details on ELMs	ONLINE

DANC689U **Special Topics in Dance; Embodiment and Performance Technologies II**

Special Topics in dance theory, research or creative projects.

0101	Samuel Crawford	Seats (Total: 10)
	MTuWTh 12:30pm - 4:30pm	PAC 1908

DANC689V **Special Topics in Dance; Global Dance Repertory**

(Perm req)

Special Topics in dance theory, research or creative projects.

WB11	Kendra Portier	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

DANC698 **Independent Study in Dance**

(Perm req)

Directed independent study in theoretical topics.

WB11	Maura Keefe Class time/details on ELMs	Seats (Total: 3) ONLINE
WB12	Samuel Crawford Class time/details on ELMs	Seats (Total: 3) ONLINE

DANC699 **Thesis Writing Lab**

(Perm req)

The final writing project in MFA dance degree demonstrates students' ability to write critically about their creative work in relation to the dance field at large. A successful written thesis demonstrates a familiarity with concepts from dance history and critical theory as well as an ability to analyze movement and choreography. During the thesis writing lab, each student organizes ideas and establishes individual goals for the written project.

WB11	Maura Keefe Class time/details on ELMs	Seats (Total: 1) ONLINE

DANC779 **Master's Tutorial for Performance**

(Perm req)

Supervised performance experience for advanced dancers.

WB11	Kendra Portier Class time/details on ELMs	Seats (Total: 5) ONLINE

ECON Economics Winter 2025

The Department of Economics enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

ECON200 **Principles of Microeconomics**

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Additional information: It is recommended that students complete ECON200 before taking ECON201.

Introduces economic models used to analyze economic behavior by individuals and firms and consequent market outcomes. Applies conceptual analysis to several policy issues and surveys a variety of specific topics within the broad scope of microeconomics.

WB11	Luis Jaramillo Class time/details on ELMs	Seats (Total: 70) ONLINE

ECON201 **Principles of Macroeconomics**

Prerequisite: MATH107 or MATH110; or must have math eligibility of MATH113 or higher. Recommended: ECON200. Credit only granted for: ECON201 or ECON205.

An introduction to how market economies behave at the aggregate level. The determination of national income/output and the problems of unemployment inflation, will be examined, along with monetary and fiscal policy.

WB11	Luying Yang	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

ECON305 **Intermediate Macroeconomic Theory and Policy**

Prerequisite: Minimum grade of C- in ECON200 and ECON201; and 1 course with a minimum grade of C- from (MATH120, MATH130, MATH136, MATH140). Credit only granted for: ECON305 or ECON325.

Analysis of the determination of national income, employment, and price levels. Discussion of consumption, investment, inflation, and government fiscal and monetary policy.

WB11	Lodovico Pizzati	Seats (Total: 50)
	MTuWTh 4:00pm - 7:00pm	ONLINE
	Class time/details on ELMs	ONLINE
	The final exam will be held Wednesday January 22, 2025 7:00-9:00pm.	

ECON306 **Intermediate Microeconomic Theory & Policy**

Prerequisite: 1 course with a minimum grade of C- from (ECON200, AREC250); and minimum grade of C- in ECON201; and 1 course with a minimum grade of C- from (MATH120, MATH130, MATH136, MATH140). Credit only granted for: ECON306, ECON326, AREC489M, or AREC326.

Analysis of the theories of consumer behavior, producer behavior, different market structures, and various sources of inefficient outcomes. Analysis of microeconomic policies designed to improve market outcomes.

WB11	Andrea Vilchez	Seats (Total: 65)
	MTuWTh 10:00am - 1:10pm	ONLINE
	Class time/details on ELMs	ONLINE

ECON330 **Money and Banking**

Prerequisite: Minimum grade of C- in ECON200 and ECON201.

The structure of financial institutions and their role in the provision of money and near money. Analysis of the Federal Reserve System, the techniques of central banks, and the control of supply of financial assets in stabilization policy. Relationship of money and credit to economic activity and the price level.

WB11	Giuliano Simoncelli	Seats (Total: 55)
	MTuWTh 10:00am - 1:10pm	ONLINE
	Class time/details on ELMs	ONLINE

ECON414 **Game Theory**

Prerequisite: 1 course with a minimum grade of C- from (ECON306, ECON326); and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321, STAT401). Restriction: Must be in one of the following programs (Economics Bachelor of Arts; Economics Bachelor of Science; Economics minor). Credit only granted for: CMSC474, ECON414, GVPT399A or GVPT390.

Studies the competitive and cooperative behavior that results when several parties find that their individual outcomes are jointly determined. Students will learn how to use game theory to analyze situations of potential conflict. Applications are drawn from economics, business, and political science.

WB11	Ruibing Su	Seats (Total: 30)
	MTuWTh 10:00am - 1:10pm	ONLINE
	Class time/details on ELMs	ONLINE

ECON418M **Economic Development of Selected Areas; Middle East**

Economic and institutional characteristics of a specific geographic area are identified and discussed, and alternate strategies and policies for development are analyzed.

Prerequisites: 1 course with a minimum grade of C- from (ECON305, ECON306, ECON325, ECON326) and 1 course with a minimum grade of C- from (ECON230, BMGT230, ECON321). Restriction: Must be in Economics Bachelor of Arts program. Students may repeat "ECON418 Economics Development of Selected Areas" for a maximum of 6 credits. Analyzes patterns of economic and institutional development in the Middle East; assesses the general trends in economic growth, investment, and institutional changes; and examines specific issues such as population and human development, economics and politics of oil and trade, the structure of state and its role in economic development, financial markets and Islamic banking, and business environment.

WB11	Hossein Abbasi	Seats (Total: 30)
	MTuWTh 10:00am - 11:00am	ONLINE
	Class time/details on ELMs	ONLINE

ECON642 **Topics in Applied Macroeconomics**

Restriction: Must be in M.Prof.Studies: Applied Economics program; or permission of BSOS-Economics department.

Focus is on applied macroeconomic models used by federal agencies to explain and predict economic behavior. Course emphasizes macroeconomic data: NIPA accounts, GDP, construction and application of CPI, labor force data and economic indicators. Students will also study a selected set of current macroeconomic topics including models of economic growth, economic fluctuations, monetary policy, inflation and financial markets.

PR01	Samuel Rowe	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	Tu 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		

ECON644 **Empirical Analysis II: Introduction to Economic Models**

Prerequisite: ECON643.

An introduction to econometric methods with applications to public policy analysis. Primary focus on application and interpretation of multiple regression analysis.

PR01	Razvan Vlaicu	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		

ECON672 **Program Analysis and Evaluation**

Prerequisite: ECON641 and ECON645.

Students study the tools used to evaluate the effectiveness of public policies. All evaluations have weaknesses, and some have more weaknesses than others. You will learn how to distinguish high from low quality evaluations. We will discuss the basic economics and econometrics of program evaluation, focusing on the application of methods used for causal inference and cost-benefit analyses in public policy contexts. We will examine published evaluation research with the intent of showing how the research does or does not lead to clear conclusions regarding program performance.

PRW1	Laura Kawano	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	W 6:45pm - 9:30pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe. However, students are required to attend in-person proctored exams (midterm and final exams). The exams are the only in-person component of the course and will be administered at 1400 16th Street, NW in Washington, DC.		

ECON675 **Environmental Economics**

Prerequisite: ECON641; and must have completed or be concurrently enrolled in ECON644.

Application of microeconomics and econometrics to analysis of environmental regulation. Many examples based on US policies, but the methods are broadly applicable in other contexts.

PR01	Charles Griffiths, Paul Dockins	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	Tu 6:45pm - 9:30pm	Location: TBA	
	Class time/details on ELMs	ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		

ECON677 **International Trade and Applications**

Prerequisite: ECON641 and ECON644. Restriction: Must be in MS Applied Economics program; or with permission from the program director.

A mix of theory and empirical work. Students will analyze the causes and consequences of international trade. The course will cover a set of conceptual tools that are useful for understanding "globalization" and the usage of these tools to address interesting and important questions about how countries, firms, and workers respond to international trade.

PRW1	Cristina Tello-Trillo	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	M 6:45pm - 9:30pm Class time/details on ELMs	ONLINE ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly online, with weekly synchronous online meetings that occur within the noted timeframe. However, students are required to attend in-person proctored exams (midterm and final exams). The exams are the only in-person component of the course and will be administered at 1400 16th Street, NW in Washington, DC.		

ECON684 **Applied Time Series Analysis and Forecasting**

Prerequisite: ECON642; and ECON645. Restriction: Must be in M.Prof.Studies: Applied Economics program.

This course builds on the brief introduction to time series econometrics offered in ECON 645. Students will learn the theory of stationary processes and how it applies to econometric techniques for estimation and forecasting based on time series data. The techniques will be applied in macroeconomic, financial and business applications.

PR01	Martin Stuermer	Seats (Total: 23)	
	Meets November 25, 2024 - February 19, 2025		
	Th 6:45pm - 9:30pm Class time/details on ELMs	Location: TBA ONLINE	Discussion
	Must be in Graduate Programs in Applied Economics, WDC. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section. This section will be mostly in-person, with weekly in-person meetings at the noted times. The weekly class meetings will be at 1400 16th Street, NW in Washington, DC. The online requirements will include mandatory weekly online discussions. Some additional online content may be required.		

ECON698 **Selected Topics in Economics**
Contact department for information to register for this course.

ECON898 **Pre-Candidacy Research**
Contact department for information to register for this course.

ECON899 **Doctoral Dissertation Research**

(Perm req)

Contact department for information to register for this course.

EDCP Education Counseling and Personnel Services Winter 2025

EDCP498 **Special Problems in Counseling and Personnel Services**

Available only to major students who have formal plans for individual study of approved problems.

0151	Candace Moore	Seats (Total: 5)
	Contact instructor or department for details.	

EDCP620 **Introduction to Mental Disorders**

Credit only granted for: EDCP789W or EDCP620. Formerly: EDCP789W.

Understanding diagnosis and assessment of mental, addictive, and co-occurringmental/addictive disorders, using the diagnostic criteria of the most prevalent psychiatricdisorders as specified by the American Psychiatric Association Diagnostic and Statistical Manuals.

WB11	Samantha Reaves	Seats (Total: 36)
	TuTh 5:00pm - 9:00pm	ONLINE
	Class time/details on ELMs	ONLINE

EDCP665 **Family and Social Support Systems**

Recommended: EDCP610.

Principles and methods useful for understanding the role of family support systems in counseling. Specialized skills for counseling impaired adults and their families.

There will also be a 15 hour counseling lab outside of class.

WB11	Ileana Gonzalez	Seats (Total: 20)	
	Meets January 13, 2025 - January 22, 2025		
	MTuWThF 10:00am - 4:30pm	ONLINE	
	Class time/details on ELMs	ONLINE	Lab

EDCP694 **Student Leadership Development**

Credit only granted for: EDCP694 or EDCP789D. Formerly: EDCP789D.

Explores the development of leadership among college students including the study of leadership theory; a focus on how leadership is learned and developed; cultural dimensions of leadership; and exposure to the current national scene in leadership associations, programs, and resources.

WB11	Brittany Devies	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Course outline and meeting details available on ELMS. Please contact instructor at devies@umd.edu with questions.	

EDCP701 **Theories and Methods of Intervention**

Restriction: Must be in Counseling and Personnel Services (Doctoral) program; or permission of instructor. Credit only granted for: EDCP789B or EDCP701. Formerly: EDCP789B.

An in-depth review of different theories and methods related to psychological interventions for children and adolescents.

WB11	Cixin Wang	Seats (Total: 11)
	MWF 9:00am - 2:00pm	ONLINE

EDCP743 **Developmental Psychopathology**

Restriction: Must be in Counseling and Personnel Services (Doctoral) program; or permission of instructor. Credit only granted for: EDCP789Q or EDCP743. Formerly: EDCP789Q.

Explore psychopathology from a developmental perspective and with an emphasis on affective bases of behavior

WB11	Meghan Green	Seats (Total: 10)
	Tu 4:15pm - 7:00pm	ONLINE

EDCP788 **Advanced Practicum**

Individual supervision in one of the following areas: (a) individual counseling, (b) group counseling, (c) consultation, or (d) administration.

0151	Candace Moore	Seats (Total: 1)
	Contact instructor or department for details.	
0169	Jonathan Mohr	Seats (Total: 5)
	Contact instructor or department for details.	

EDCP789 **Advanced Topics in Counseling and Personnel Services**

(Perm req)

Contact department for information to register for this course.

EDCP789C **Advanced Topics in Counseling and Personnel Services; Student Activism in American Higher Education**

WB11	Marinel Martinez-Benyarko W 4:00pm - 7:00pm Class time/details on ELMs *Course will meet online on Jan. 3 (4pm-7pm).*	Seats (Total: 10) ONLINE ONLINE	Discussion

EDCP789R **Advanced Topics in Counseling and Personnel Services; College Teaching Seminar**

0101	Candace Moore Contact instructor or department for details.	Seats (Total: 10)	
WB11	Romy Stancofski TuTh 10:00am - 2:00pm	Seats (Total: 5) ONLINE	

EDCP798 **Special Problems in Counseling and Personnel Services; Special Problems in Counseling and Personnel Services**

(Perm req)

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

Individual Instruction course: contact department or instructor to obtai n section number for winter term.

Contact department for information to register for this course.

EDCP798D **Special Problems in Counseling and Personnel Services; Data Analysis and Scholarly Writing**

Master's AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisers may register for credit under this number.

WB11	Michelle Espino Th 4:00pm - 6:45pm Class time/details on ELMs	Seats (Total: 15) ONLINE ONLINE	

EDCP799 **Master's Thesis Research**

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDCP888 **Apprenticeship in Counseling and Personnel Services**

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

EDCP888A **Apprenticeship in Counseling and Personnel Services**

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0170	Julie Park	Seats (Total: 1)
	Contact instructor or department for details.	

EDCP889 **Internship in Counseling and Personnel Services**

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDCP898 **Pre-Candidacy Research**
Contact department for information to register for this course.

EDCP899 **Doctoral Dissertation Research**

Registration required to the extent of 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDHD Education, Human Development Winter 2025

EDHD310 **Your Brain on Education: The Neuroscience of Learning and Development**

Prerequisite: PSYC100.

Investigation linking research in the brain science of learning and development, including the neural basis of academic skills, to achievement, disability, and broader applications to classroom learning. This course will focus on areas of education including language (spoken and written), conceptual change, numerical/quantitative processing, and social cognition as well as burgeoning areas of neuroscientific research in general cognitive processes such as attention, memory, and executive processing. These topics will be discussed with respect to typical and atypical development with some focus on developmental disabilities including autism, specific language impairment, reading and math impairment, and attention deficit disorders among others. This course will focus on both the theoretical perspectives and pragmatic issues of how evidence regarding brain development can or may be translated into useful or misleading information for educators, professionals, and parents/guardians of our children.

WB11	Joshua Jaffe	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

EDHD320 **Human Development Through the Life Span**

Central concepts related to parameters of human development, individual and social, which arise throughout the life span. Continuity and change within the developing individual.

WB11	Megan Hurley	Seats (Total: 32)
	Class time/details on ELMs	ONLINE

EDHD888 **Apprenticeship in Human Development Research**

Apprenticeship in Human Development research.

0101	Patricia Alexander	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI Education Leadership, Higher Ed and International Ed — Winter 2025

EDHI488Q **Special Topics in Education Policy and Administration; Decolonial Approaches to Education Development and Research**

Special and intensive treatment of current topics and issues in education policy and administration.

Contact department for information to register for this course.

EDHI489 **Field Experiences in Education**

Planned field experience in education-related activities. Credit not to be granted for experiences accrued prior to registration.

Contact department for information to register for this course.

EDHI788B **Special Topics in Education Policy and Administration; Leadership in Multicultural Teams for Successful Project Management**

Special and intensive treatment of current topics and issues in education policy and administration.

There will be weekly international partner virtual team meetings scheduled by students (times flexible). Class meets online 5:00-8:00pm Tuesday Jan 2nd and Thursday Jan 4th, 11th, and 18th. Designed for scholars and practitioners who work in a global context. Applying a critical lens of leadership approaches, this three-week course develops your leadership skills in contributing to the success of project implementation. By working with an association in Burkina Faso, West Africa, students will engage in applied leadership training and reflect on the impact of their leadership approach on the potential success of a project. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide virtual opportunities for global engagement.

GC01	Cameron Busacca, Anne Spear	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

This course is open to undergraduate students by permission only. This course is for scholars and practitioners who work in a global context. Using multimedia dialogue, research, and case studies, we will explore the role of leadership in a global context. The course will focus on working in diverse teams, facilitating projects in a virtual, remote capacity, and leading project implementation. Applying a critical lens of leadership approaches, this three-week course develops your leadership skills in contributing to the success of project implementation of international initiatives. By working with an association in Burkina Faso, West Africa, students will engage in applied leadership training and reflect on the impact of their leadership approach on the potential success of a project. Class meets online 5:00-8:00pm EST on Tuesday Jan 2nd, Thursdays Jan 4th, 11th, and 18th. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide virtual opportunities for global engagement.

EDHI788K **Special Topics in Education Policy and Administration; The Quest to End Genocide Through Education**

Special and intensive treatment of current topics and issues in education policy and administration.

WB11	Annie Rappeport	Seats (Total: 17)
	MWF 5:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

EDHI788Q **Special Topics in Education Policy and Administration; Decolonial Approaches to Education Development and Research**

Special and intensive treatment of current topics and issues in education policy and administration.

WB11	Heidi Bloom	Seats (Total: 20)
	MTuWTh 5:00pm - 8:00pm	ONLINE
	Class time/details on ELMs	ONLINE

EDHI798 **Special Problems in Education**

(Perm req)

Master's, AGS, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

Contact department for information to register for this course.

EDHI888 **Apprenticeship in Education**

(Perm req)

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

0101	Sharon Fries-Britt	Seats (Total: 5)
	Contact instructor or department for details.	

EDHI889 **Internship in Education**

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDHI898 **Pre-Candidacy Research**

0114	Jing Lin	Seats (Total: 2)
	Contact instructor or department for details.	

EDHI899 **Doctoral Dissertation Research**

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. Dissertation.

Contact department for information to register for this course.

EDMS Measurement, Statistics, and Evaluation — Winter 2025

EDMS798 **Special Problems in Education**

Master's, EDMS majors, or doctoral candidates who desire to pursue special research problems under the direction of their advisors may register for credit under this number.

0106	Jeffrey Harring	Seats (Total: 5)
	Contact instructor or department for details.	

EDSP Education, Special — Winter 2025

EDSP220 **Disability in Community: Access, Accommodation, and Adaptation**

Examines the concept of disability in a variety of community settings. Drawing on classic and contemporary readings in psychology, sociology and special education, the course will couple conceptual and historical understanding of disability with first-hand service-learning experiences in the community. Students will develop a plan in several phases that encompasses principles of Universal Design for Living/Learning (UDL) to study and participate in community-based activities.

WB11	Katryna Andrusik	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

EDSP376 **Fundamentals of Sign Language**

Credit only granted for: EDSP376 or CHSE376. Formerly: EDSP376.

Receptive and expressive skills in American Sign Language. Examination of the causes of deafness, characteristics of deaf education, and aspects of the culture of the deaf community.

WB11	Elizabeth Martinez	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
WB12	Michael Dunham	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDSP470 **Introduction to Special Education**

Restriction: Must not have completed EDSP210. Credit only granted for: EDSP210, EDSP211 or EDSP470.

Designed to give an understanding of the needs of all types of exceptional children.

WB12	Tori Page-Voth	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

EDSP601 **Special Education for School Counselors**

Restriction: Must be in Counseling and Personnel Services (Master's) program. Credit only granted for: EDSP470 or EDSP601.

Designed to give school counseling students an understanding of the needs of children with disabilities, and the school-based services that they received. The course focuses on the school counselor's role in identifying and supporting children who have disabilities.

WB11	Dawn Martin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

EDSP611 **Teaching Students with Disabilities in Elementary Classrooms**

Restriction: Permission of EDUC-Special Education department. Credit only granted for: EDSP608, EDSP611, EDSP401 or EDSP499F.

This course is designed for elementary education majors to prepare for teaching students with disabilities in elementary classrooms. The course examines the legal requirements for general education teachers in the public schools including best practices for participating in the Individual Education Program (IEP) team process, and understanding Response to Intervention (RTI) as a approach to the early identification and support of students with learning and behavior needs. Information is provided on the characteristics of students who have been identified as having high incidence disabilities (e.g., learning disabilities, attention deficit hyperactivity disorder, speech and language delays, emotional or behavioral disorders, and other health impairments). The course then provides information on Universal Design for Learning (UDL) principles, instructional suggestions to include students with disabilities in the general classroom, co-teaching and methods for integrating technology and assistive technology to benefit all students.

PUK3	Jennifer McCatharn	Seats (Total: 25)
	Class time/details on ELMs	ONLINE
	Must be in Curriculum and Instruction (M.Ed.), CITE to register. Golden ID students are not eligible for this section.	

EDSP798 **Special Problems in Special Education**

Intended for Master's, AGS, or doctoral students in education who desire to pursue a research problem.

Contact department for information to register for this course.

EDSP799 **Master's Thesis Research**

Registration required to the extent of six hours for Master's thesis.

Contact department for information to register for this course.

EDSP888 **Apprenticeship in Special Education**

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP888A **Apprenticeship in Special Education; Apprenticeship in College Teaching**

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate- seeking graduate students.

Contact department for information to register for this course.

EDSP889 **Internship in Special Education**

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

Contact department for information to register for this course.

EDSP898 **Pre-Candidacy Research**
Contact department for information to register for this course.

EDSP899 **Doctoral Dissertation Research**

Registration required to the extent of 6-9 hours for an Ed.D. Project and 12-18 hours for a Ph.D. dissertation.

Contact department for information to register for this course.

EMBA Executive MBA Program Winter 2025

EMBA758C **Special Topics; LEADERSHIP MASTERY**

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA758D **Special Topics; Optimizing Marketing Performance with AI**

Selected advanced topics in the various fields of graduate study in business.

Contact department for information to register for this course.

EMBA759 **Independent Study**

Independent study for Masters students in Business.

EC01	Robert Sheehan Contact instructor or department for details.	Seats (Total: 30)
EM01	Robert Sheehan Contact instructor or department for details.	Seats (Total: 5)

ENAE Engineering, Aerospace Winter 2025

ENAE499 **Elective Research; Elective Research**

Undergraduate research project and paper conducted under the direction of an aerospace engineering faculty member to be presented at a conference or competition.

Contact department for information to register for this course.

ENAE899 **Doctoral Dissertation Research**

0106	Norman Wereley	Seats (Total: 5)
	Contact instructor or department for details.	

ENCE Engineering, Civil Winter 2025

ENCE489A **Special Problems in Civil Engineering; Virtual Design and Construction Application**

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

As construction companies push the technology to explore new uses, Virtual Design and Construction (VDC) has moved to the forefront of large-scale construction projects in the United States. VDC teams use BIM applications for an ever-expanding array of use cases in the construction industry, including but not limited to logistics visualizations, building system clash detection, constructability, construction sequencing, building asset management, LiDAR and reality capture, construction sequencing simulation, jobsite safety assessment, QA/QC, augmented and mixed virtual reality, digital twin services, and materials takeoff and estimates. VDC processes are the future of the construction industry because the benefits include improved efficiency, reduced costs for construction, enhanced safety, increased quality, and better sustainability metrics. This course will introduce students to advanced Building Information Modeling (BIM) applications and its critical role in Virtual Design and Construction (VDC). Students will learn how to create and manage Collaborative BIM projects across teams and how successful implementation benefits construction projects. Design team knowledge of VDC processes improves the outcome of construction projects, and students will learn how architects and engineers can positively impact construction through careful and organized BIM planning.

0101	Kiley Wilfong Cullen	Seats (Total: 20)
	MTuWThF 2:00pm - 5:00pm	ARC 1115

ENCE489I **Special Problems in Civil Engineering; Sustainability, Infrastructure Condition & Safety**

A course arranged to meet the needs of exceptionally well prepared students for study in a particular field of civil engineering.

Contact department for information to register for this course.

ENCE689 **Seminar**

0112	Peter Chang	Seats (Total: 1)
	Contact instructor or department for details.	
0190	Gang-Len Chang	Seats (Total: 5)
	Contact instructor or department for details.	

ENCE799 **Master's Thesis Research**

0103	Qingbin Cui Contact instructor or department for details.	Seats (Total: 2)
0104	Ahmet Aydilek Contact instructor or department for details.	Seats (Total: 5)
0107	Bilal Ayyub Contact instructor or department for details.	Seats (Total: 5)
0108	Ali Haghani Contact instructor or department for details.	Seats (Total: 2)
0112	Peter Chang Contact instructor or department for details.	Seats (Total: 5)
0124	Gang-Len Chang Contact instructor or department for details.	Seats (Total: 5)
0153	Allison Reilly Contact instructor or department for details.	Seats (Total: 5)
0170	Allen Davis Contact instructor or department for details.	Seats (Total: 5)

ENCE899 **Doctoral Dissertation Research**

0102	Peter Chang Contact instructor or department for details.	Seats (Total: 5)
0106	Gregory Baecher Contact instructor or department for details.	Seats (Total: 5)
0108	Ali Haghani Contact instructor or department for details.	Seats (Total: 2)
0120	Yunfeng Zhang Contact instructor or department for details.	Seats (Total: 2)
0121	Steven Gabriel Contact instructor or department for details.	Seats (Total: 5)
0124	Gang-Len Chang Contact instructor or department for details.	Seats (Total: 5)

0130	Allen Davis Contact instructor or department for details.	Seats (Total: 5)
0148	Lei Zhang Contact instructor or department for details.	Seats (Total: 5)
0150	Cinzia Cirillo Contact instructor or department for details.	Seats (Total: 5)

ENEE Electrical & Computer Engineering Winter 2025

ENEE200 **Technology and Consequences: Engineering, Ethics, and Humanity**

Credit only granted for: ENEE200 or ENES200.

What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.

WB11	Wesley Lawson MTuWThF 10:00am - 12:50pm	Seats (Total: 28) ONLINE
WB12	Wesley Lawson MTuWThF 2:00pm - 4:50pm	Seats (Total: 28) ONLINE

ENEE499 **Senior Projects in Electrical and Computer Engineering**

(Perm req)

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE499L **Senior Projects in Electrical and Computer Engineering**

(Perm req)

The purpose is to provide students with an opportunity to engage in independent research projects on advanced electrical and computer engineering topics. Projects are selected by students and supervised by faculty and other qualified mentors. While students may be required to acquire new skills or information in the course of completing a 499 project, the focus is to conduct an independent investigation of a technical theme by the student. The project may be used to satisfy the advanced lab requirement if it is approved as a primarily experimental research project. In that case, the student will enroll in ENEE499L.

Contact department for information to register for this course.

ENEE898 **Pre-Candidacy Research**

Provide training in education for senior PhD students who contemplate an academic career, and give them the opportunity to gain some teaching experience. Emphasis is on issues that are of special importance in electrical and computer engineering education.

0118	Yonghwi Kwon Contact instructor or department for details.	Seats (Total: 5)
0180	Sennur Ulukus Contact instructor or department for details.	Seats (Total: 5)

ENES Engineering Science Winter 2025

ENES102 **Mechanics I**

(Perm req)

Corequisite: MATH140. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Formerly: ENES110.

The equilibrium of stationary bodies under the influence of various kinds of forces. Forces, moments, couples, equilibrium, trusses, frames and machines, centroids, moment of inertia, beams, friction, stress/strain, material properties. Vector and scalar methods are used to solve problems.

Students must pay a $30 course materials fee.

Non-engineering students and non-UMD students must submit a Keystone Program Permission to Enroll form for approval to register for this course.

WB11	Thomas Beigel	Seats (Total: 30)	
	Class time/details on ELMs MTuWThF 11:00am - 1:00pm	ONLINE ONLINE	 Discussion
	Exams: Examinations will be given from 11AM - 1PM EST on Monday, 1/13 and Wednesday, 1/22. Students are required to take the examinations in-person at the University of Maryland or at an approved off-site test proctoring center.		

WB12	Aris Cleanthous	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	
	MTuWThF 11:00am - 1:00pm	ONLINE	Discussion

Exams: Examinations will be given from 11AM - 1PM EST on Monday, 1/13 and Wednesday, 1/22. Students are required to take the examinations in-person at the University of Maryland or at an approved off-site test proctoring center.

ENES197 **The Fault in Our Data: What Counts and Who's Counting**

Prerequisite: MATH113 or equivalent. Recommended: MATH115.

Quantitative data and analysis are key to understanding the shape of the world. In this course, we will use the tools of computational analysis to load, interrogate, visualize, and model datasets from dozens of data points to hundreds of thousands. We'll look at how computational methods can tell us when a movie is sexist, how wealth inequality can form, and how rumors spread like diseases. Then, you will find datasets of interest, write code to make sense of them, and share your findings with the world. No prior programming experience is required.

WB11	Kevin Chiu	Seats (Total: 40)	
	Class time/details on ELMs	ONLINE	
	MTuWThF 1:00pm - 4:00pm	ONLINE	Discussion

ENES200 **Technology and Consequences: Engineering, Ethics and Humanity**

Credit only granted for: ENEE200 or ENES200.

What makes a technology socially responsible? At UMD, the Fearless Ideas campaign asks us to aim our enthusiasm for technology at big real problems. At the same time, we are coming to appreciate the increasingly complex nature of technological systems as they become integrated into all forms of infrastructure, we realize they may be unpredictable, interdependent on social and biological systems, and have unintended consequences. In this midst of this complexity, people make decisions with far reaching impacts. How then do we follow our passion for technology and innovation but also stay skeptical in a way that allows us to consider the potential and shortcomings of technology? Designed for both engineering and non-engineering students wishing to explore and assess the impact of engineering technology on society and the role of society in generating that technology.

WB11	Leigha McReynolds	Seats (Total: 20)	
	MTuWThF 10:00am - 11:50am	ONLINE	
	MTuWThF 1:00pm - 2:50pm	ONLINE	Discussion

ENES220 **Mechanics II**

(Perm req)

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering; and must not be in Engineering: Electrical program.

Stress and deformation of solids-rods, beams, shafts, columns, tanks, and other structural, machine and vehicle members. Topics include stress transformation using Mohr's circle; shear and moment diagrams; derivation of elastic curves; and Euler's buckling formula. Design problems related to this material are given in lab.

Students must pay a $35 course materials fee.

Non-engineering students and non-UMD students must submit a Keystone Program Permission to Enroll form for approval to register for this course.

WB11	Andres Rubiano Acosta	Seats (Total: 50)	
	Class time/details on ELMs MTuWThF 10:00am - 12:00pm	ONLINE ONLINE	 Discussion
	Examinations will be given from 10am-12pm EST on Friday, 1/10 and Wednesday, 1/22. Students are required to take the examinations in-person at the University of Maryland or at an approved off-site test proctoring center.		

ENES221 **Dynamics**

(Perm req)

Prerequisite: Minimum grade of C- in ENES102; and (MATH141 and PHYS161). Restriction: Must be in a major in ENGR-A. James Clark School of Engineering.

Systems of heavy particles and rigid bodies at rest and in motion. Force-acceleration, work-energy and impulse-momentum relationships. Motion of one body relative to another in a plane and in space.

Non-engineering students and non-UMD students must submit a Keystone Program Permission to Enroll form for approval to register for this course.

WB11	Patrick McAvoy	Seats (Total: 50)	
	Class time/details on ELMs MTuWThF 11:00am - 1:00pm	ONLINE ONLINE	 Discussion
	Examinations will be given from 11am-1pm EST on Tuesday, 1/14 and Wednesday, 1/22. Students are required to take the examinations in-person at the University of Maryland or at an approved off-site test proctoring center.		

ENES232 **Thermodynamics**

Prerequisite: PHYS261 and PHYS260. Restriction: Must be in a major in ENGR-A. James Clark School of Engineering. Credit only granted for: BIOE232, CHBE301, ENCH300, ENES232, ENME320, or ENME232. Formerly: ENME232 and ENME320.

Introduction to thermodynamics. Thermodynamic properties of matter. First and second laws of thermodynamics, cycles, reactions, and mixtures.

Non-engineering students and non-UMD students must submit a Keystone Program Permission to Enroll form for approval to register for this course.

WB11	Kevin Calabro, Catherine Hamel	Seats (Total: 30)	
	Class time/details on ELMs MTuWThF 10:00am - 12:30pm	ONLINE ONLINE	 Discussion
	Examinations will be given from 10am-12:30pm EST on Friday, 1/10 and Wednesday, 1/22. Students are required to take the examinations-person in-person at the University of Maryland or at an approved off-site test proctoring center.		
WB12	Catherine Hamel, Kevin Calabro	Seats (Total: 30)	
	Class time/details on ELMs MTuWThF 10:00am - 12:30pm	ONLINE ONLINE	 Discussion
	Examinations will be given from 10am-12:30pm EST on Friday, 1/10 and Wednesday, 1/22. Students are required to take the examinations-person in-person at the University of Maryland or at an approved off-site test proctoring center.		

ENES317 **Introduction to Leadership in Engineering, Science, and Technology**

Restriction: Must be in the Minor in Global Engineering Leadership(#EN09). Additional information: Students not meeting restriction requirements should add themselves to the course holdfile. Restrictions DO NOT apply to winter and summer terms.

Develop a comprehensive overview and introduction to leadership and organizational development. Students will reflect on their own leadership experiences, develop a strong foundational knowledge of leadership theory, and advance their capacities in effectively leading teams. Students will connect leadership theory to practice by engaging in case study analysis and critique leadership practices enacted within engineering and technology settings. Students will complete self-assessments to better understand their own leadership strengths and refine their approaches to leadership by incorporating theories covered in this course.

Contact department for information to register for this course.

ENES359T **Education, Technology and Society: Ecuador in Context**

Recommended: 1 course from (ENES240, ENES200, or ENEE200). Restriction: Minimum cumulative GPA of 2.5. Cross-listed with: CPSS370, LACS370. Credit only granted for: ENES259T, ENES359T, CPSP279T, LASC269T, CPSS370, or LACS370. Formerly: ENES259T.

Set in the UNESCO World Heritage site of Cuenca, Ecuador, students in this short-term study abroad course use theory from Science and Technology Studies (STS) to explore, discuss and critique the design, development and implementation of technology-based social programs in Ecuador. The program looks at education and technology throughout multiple lenses and contexts. Collaboration with the University of Cuenca, participating students have the opportunity for both university and field-based research and practice. UMD students work alongside students and faculty from the leaders and practitioners from UCuenca, government agencies, nongovernmental organizations, small business and local communities.

Contact department for information to register for this course.

ENES458A **Topics in International Engineering; Engineers Without Borders: Leadership Seminar**

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458F **Topics in International Engineering; Climate-Resilient Development: Vietnam's Mekong Delta Region**

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES458I **Topics in International Engineering; Engineers Without Borders-Leadership Seminar**

A variety of topics related to engineering in a global context are discussed including cultural aspects, cross-cultural communication, international standards and law, and engineering and technology issues, business behavior, attitudes and values of selected countries and regions.

Contact department for information to register for this course.

ENES460 **Fundamentals of Technology Start-Up Ventures**

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES460, BMGT461, SMLP470 or HLMN470. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Fundamental aspects of creating, organizing, funding, managing, and growing a technology startup venture. This multidisciplinary course will draw on management, business, legal, financial, as well as technical, concepts. Students form teams and develop a business plan for a technology company, based on each team's own business idea and then present the plan to a panel of outside experts.

For winter term, permission restrictions will not apply. The course is open to all students.

WB11	James Green	Seats (Total: 100)
	Class time/details on ELMs	ONLINE

ENES463 **Strategies for Managing Innovation**

Restriction: Permission of ENGR-Maryland Technology Enterprise Institute. Credit only granted for: ENES463, BMGT467, SMLP473 or HLMN472. Additional information: Course may not be used to fulfill any BMGT major or minor program requirement.

Emphasizes how the technology entrepreneur can use strategic management of innovation and technology to enhance firm performance. Examines the process of technological change, the ways that firms come up with innovations, the strategies that firms use to benefit from innovation, and the process of formulating technology strategy. Provides frameworks for analyzing key aspects of these industries and teaches students how to apply these frameworks.

WB11	Sharon Flank	Seats (Total: 75)
	Class time/details on ELMs	ONLINE

ENES664 **Business Modeling and Customer Validation**

Restriction: Must be in the Product Management or the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies programs; or permission of Maryland Technology Enterprise Institute.

Focuses on how to create and deliver value for customers and extract value for the new venture. Develop business models that encompass the product or service, customers, and the economic engine to meet the venture's financial and growth objectives. Introduces a structured way to think about, analyze, and develop a sound business model that is customer validated.

PLM1	James Green	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management or MPS in Technology Entrepreneurship and Corporate Innovation may register without permission. All other graduate students may contact mtecheducation@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES667 **Market Development and Commercialization**

Restriction: Must be in the Product Management or the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies programs; or permission of Maryland Technology Enterprise Institute.

Provides an orientation to key marketing concepts critical to marketing technology-based products and services. Learn to identify market opportunities, understand customer preferences, evaluate market acceptance, and devise the appropriate going to market strategies for the new venture.

PLM1	David Bosley	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES671 **Legal Aspects of Entrepreneurship**

Restriction: Must be in the Technology Entrepreneurship and Corporate Innovation Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Explores critical legal and business issues entrepreneurs face as they build and launch a new venture. Examines real world scenarios, and addresses the legal issues at all of the important junctures along the path to success. Significant attention placed on new venture formation, intellectual property management, and financing arrangements.

PLM1	Babak Akhlaghi	Seats (Total: 25)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Technology Entrepreneurship and Corporate Innovation may register without permission. All other graduate students may contact mpte@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES676 **Negotiation and Problem-Solving**

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Explores key negotiation techniques, how to apply these techniques, and their application to real-world scenarios. Establishes an understanding of deal-making, and creates a foundation for exploring the concepts of agreements, contracts, conflicts, and how the resulting transactions formed the foundation for modern scaled economies. Examines reputation effects, customer lifetime value, the basics of civil and criminal law, and how these have formed to constrain our interactions in modern society.

PLM1	Cynthia Gayton	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES677 **Data Analysis and Decision Making**

Restriction: Must be in the Product Management Master of Professional Studies program; or permission of Maryland Technology Enterprise Institute.

Provides a comprehensive understanding of making decisions under uncertainty for products, portfolios, and programs across various industries and environments. Focuses on the use of Bayesian methods for informing decisions on products and programs when directing experiments. Examines the testing of product ideas throughout the lifecycle, from customer discover, to product discovery, to product design and optimization, to channel testing and marketing for growth.

PLM1	Gregory Baecher	Seats (Total: 50)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Students in the MPS in Product Management may register without permission. All other graduate students may contact mppm@umd.edu for permission to enroll. Golden ID students are not eligible for this section.	

ENES679 **Engineering Worlds: Education, Technology and Culture: Ecuador in Context; Technology and Society: Ecuador in Context**

This graduate course in Science and Technology Studies (STS) combines foundational theories with experiential learning in Cuenca, Ecuador, a UNESCO World Heritage site. Students will explore how power structures and cultural dynamics shape science, technology, and education, with a focus on postcolonial, race, and gender perspectives. Collaborating with the University of Cuenca, NGOs, and government agencies, they will critically analyze technology-based educational programs and the governance of science and innovation. Key topics include the intersection of technology, environment, and culture, particularly in non-Western and indigenous education. Students will develop interdisciplinary research skills for advanced STS, international policy, or global scientific and technological work.

Contact department for information to register for this course.

ENGL English Winter 2025

ENGL245 **Film Form and Culture**

Cross-listed with: CINE245. Credit only granted for: ENGL245, CINE245 or FILM245. Formerly: FILM245.

Introduction to film as art form and how films create meaning. Basic film terminology; fundamental principles of film form, film narrative, and film history. Examination of film technique and style over past one hundred years. Social and economic functions of film within broader institutional, economic, and cultural contexts.

Click here for more course information.

WB11	Dylan Lewis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL269M **Morocco: In the Footsteps of the Beat Generation**

Cross-listed with: ARHU269A. Credit only granted for: ARHU269A or ENGL269M.

Educates students about the history, culture and socio-political situation in Morocco through the reading of fiction related to this country. The focus will be on the intersection of American and Moroccan culture and will cover film, music and literature. The American perception of the "orient" has historically been channeled through the French characterization of Arab societies in North Africa. This course aims to disentangle this western mythology from reality in Morocco. Some of the themes addressed will be globalization, colonialism, racism, orientalism, and women's oppression

Contact department for information to register for this course.

ENGL321 **Comics and the Graphic Novel**

Comics has become one of the most globally popular art forms of the twenty-first century, but it also has a rich history that stretches back to the eighteenth century, and arguably much earlier. This course will introduce students to the unique formal properties of comics and will survey the history of comics across national traditions, including texts drawn from the American, Franco-Belgian, and Japanese traditions. We will read across a range of genres and cultural registers--including newspaper strips, superhero comics, Underground comix, manga, the graphic memoir, and alternative comics. You will learn to analyze and write about the form and history of the medium.

WB11	Lee Konstantinou	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

ENGL359F **Lesbian, Gay, Bisexual, and Transgender Film and Video**

Restriction: Junior standing or higher. Cross-listed with: LGBT327. Credit only granted for: LGBT327 or ENGL359F.

Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Cross-listed with ENGL359F. Credit granted for LGBT327 or ENGL359F. Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Click here for more course information.

WB11	James Goodwin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

ENGL369T **Special Topics in Study Abroad III; Cultures of Latin America-Readings on Society**

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

ENGL391 **Advanced Composition**

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

An advanced composition course which emphasizes constructing written arguments accommodated to real audiences.

A professional writing course exploring the life and works of JRR Tolkien, professor and author of The Lord of the Rings. Virtual visits with scholars and experts in Oxford, England, where Tolkien spent much of his life, offer a unique opportunity to learn about the writer's world and the unique intersections between his scholarship and his fantasy. Synchronous meetings on Tues/Thurs from 11a.m.-12:30p.m. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide virtual opportunities for global engagement. Learn more at: go.umd.edu/gc-umd

GC01	Christopher Crane, Peter Grybauskas Class time/details on ELMs	Seats (Total: 19) ONLINE
	A professional writing course exploring the life and works of JRR Tolkien, professor and author of The Lord of the Rings. Virtual visits with scholars and experts in Oxford, England, where Tolkien spent much of his life, offer a unique opportunity to learn about the writer's world and the intersections between his scholarship and his fantasy. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide virtual opportunities for global engagement.	
GC02	Christopher Crane, Peter Grybauskas, Eleanor Simpson Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL393 Technical Writing

Prerequisite: Must have fulfilled the Academic Writing (FSAW) requirement. Restriction: Must have earned a minimum of 60 credits.

Focuses on the writing of technical papers and reports.

WB10	Joshua Buursma Class time/details on ELMs	Seats (Total: 19) ONLINE
WB11	Catherine Byrne Class time/details on ELMs	Seats (Total: 19) ONLINE
WB12	Dylan Carpenter Class time/details on ELMs	Seats (Total: 19) ONLINE
WB13	Emily Flamm Class time/details on ELMs	Seats (Total: 19) ONLINE
WB14	James Rankin Class time/details on ELMs	Seats (Total: 19) ONLINE
WB15	Robert Harris Class time/details on ELMs	Seats (Total: 19) ONLINE
WB16	Sabrina Islam Class time/details on ELMs	Seats (Total: 19) ONLINE
WB17	Leela Chantrelle Class time/details on ELMs	Seats (Total: 19) ONLINE

WB18	Elizabeth Marshall Class time/details on ELMs	Seats (Total: 19) ONLINE
WB19	David Miles Class time/details on ELMs	Seats (Total: 19) ONLINE
WB20	Janet Shim Class time/details on ELMs	Seats (Total: 19) ONLINE
WB21	Alexandra Omogbadegun Class time/details on ELMs	Seats (Total: 19) ONLINE
WB22	Sydney Sharpstene Class time/details on ELMs	Seats (Total: 19) ONLINE
WB23	Victoria Moten Class time/details on ELMs	Seats (Total: 19) ONLINE
WB24	Kevin Wisniewski Class time/details on ELMs	Seats (Total: 19) ONLINE
WB25	Sonney Wolfe Class time/details on ELMs	Seats (Total: 19) ONLINE
WB26	Jay Wilcox Class time/details on ELMs	Seats (Total: 19) ONLINE
WB27	Anthony Batts Class time/details on ELMs	Seats (Total: 19) ONLINE
WB28	Shannon Zellars Strohl Class time/details on ELMs	Seats (Total: 19) ONLINE

ENGL699 **Independent Study**

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0104	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)

0105	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0106	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0163	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0164	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0165	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0166	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0167	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0168	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0186	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0187	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0188	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0189	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
I105	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

ENME Engineering, Mechanical Winter 2025

ENME272 **Introduction to Computer Aided Design**

Prerequisite: Must have completed or be concurrently enrolled in MATH141. Restriction: Permission of ENGR-Mechanical Engineering department. Credit only granted for: ENME414 or ENME272.

Fundamentals of CAD, using solid modeling packages (Pro/E, SolidWorks, and Autodesk Inventor). Two and three dimensional drawing. Dimensioning and specifications. Introduction of CAD based analysis tools. Students will complete a design project.

WB11	Mohammad Fazelpour	Seats (Total: 42)
	MTuWF 9:00am - 12:00pm	ONLINE

ENME361 **Vibration, Controls and Optimization I**

Prerequisite: ENES220, ENES221, and MATH246; and (MATH206 or ENME202). Restriction: Must be in Engineering: Mechanical program.

Fundamentals of vibration, controls and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical description of system response, system stability, control and optimization. Optimal design of mechanical systems.

0101	Vincent Nguyen	Seats (Total: 53)
	MTuWThF 9:00am - 12:00pm	CSI 2117

ENME400 **Machine Design**

(Perm req)

Prerequisite: Must have completed or be concurrently enrolled in ENME361. Restriction: Permission of ENGR-Mechanical Engineering department.

Design of mechanical elements and planar machines. Failure theories. Design of pressure vessels, joints, rotating elements, and transmission elements. Kinematic structures, graphical, analytical, and numerical analysis and synthesis of linkages, gear trains, and flywheels are covered.

0101	Chandrasekhar Thamire	Seats (Total: 65)
	MTuWThF 11:00am - 3:00pm	CSI 3117

ENME407 **Sustainability, Climate Change and Renewable Energy Systems**

Prerequisite: PHYS260; or permission of ENGR-Mechanical Engineering department. Restriction: Students must have completed a minimum of 60 credits by the time they will enroll in this course.

Countries around the world are developing innovative and sustainable solutions that not only help to protect the environment from the threats of global climate change, but that also can improve human health and quality of life. In this course students will explore solutions to climate change, as well as geothermal and hydroelectric energy systems and their applications.

Contact department for information to register for this course.

ENME445 **Design for Reliability**

Restriction: Junior standing or higher.

Failure prevention, accident prevention, design requirements analysis, designing right the first time, high system reliability, software reliability, manufacturing defect prevention, life cycle costs reduction, design reviews, managing the design for reliability, design trustworthiness, product durability, and writing good specifications are covered.

WB11	Reuel Smith	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

ENME462 **Vibrations, Controls, and Optimization II**

Prerequisite: ENME361. Restriction: Permission of the Mechanical Engineering Department.

Continuation of ENME361. Fundamentals of vibration, controls, and optimization. Analysis and design in time, Laplace and frequency domains. Mathematical descriptions of system response, system stability, control and optimization. Optimal design of mechanical systems.

WB11	Munther Hassouneh	Seats (Total: 40)
	MTuWThF 8:00am - 11:00am	ONLINE

ENME488 **Special Problems**

Advanced problems in mechanical engineering with special emphasis on mathematical and experimental methods.

Contact department for information to register for this course.

ENME799 **Master's Thesis Research**
Contact department for information to register for this course.

ENME808 **Advanced Topics in Mechanical Engineering**
Contact department for information to register for this course.

ENME898 **Pre-Candidacy Research**
Contact department for information to register for this course.

ENME899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

ENPM Engineering, Professional Masters Winter 2025

ENPM808 **Advanced Topics in Engineering**

Advanced topics selected by the faculty for students in the professional master of engineering program. May be taken for repeated credit when identified by topic title.

CP01	George Syrmos	Seats (Total: 10)
	Contact instructor or department for details.	
DE01	George Syrmos	Seats (Total: 1)
	Class time/details on ELMs	ONLINE

ENRE Reliability Engineering Winter 2025

ENRE489K **Special Topics in Reliability Engineering; Design for Reliability**

Selected topics of current importance in reliability engineering.

Pre-requisite: Junior standing.

ER01	Reuel Smith MTuWThF 9:00am - 12:00pm	Seats (Total: 10) ONLINE
RE01	Reuel Smith MTuWThF 9:00am - 12:00pm	Seats (Total: 10) ONLINE

ENRE799 **Master's Thesis Research**
Contact department for information to register for this course.

ENRE899 **Doctoral Dissertation Research**

0102	Mohammad Modarres Contact instructor or department for details.	Seats (Total: 10)

ENSE Systems Engineering Winter 2025

ENSE799 **Systems Engineering Thesis**

The application of systems engineering concepts, principles, and theories will be applied to the Master's Thesis project. Project/thesis work will be defined and selected early in student's program and supervised by a university faculty mentor.

0102	John Baras Contact instructor or department for details.	Seats (Total: 1)
0116	Jeffrey Herrmann Contact instructor or department for details.	Seats (Total: 50)
0125	Gang Qu Contact instructor or department for details.	Seats (Total: 10)

ENST Environmental Science and Technology Winter 2025

ENST389 **Internship**

(Perm req)

Credit will be granted for practical work carried out by students placed in work environment related to their stated career goals. Students must do an in-depth study in some portion of the work experience and produce a special project or report related to this study. A student work log is also recommended. An evaluation from the external supervisor of the project will be required. Credit arranged with supervising faculty member.

0101	Jose-Luis Izursa	Seats (Total: 10)
	Contact instructor or department for details.	

ENST499 **Special Topics in Environmental Science and Technology**

An independent study, and/or lecture, and/or laboratory series organized to study a selected phase of Environmental Science and Technology not covered by existing courses. Credit arranged with supervising faculty member.

0104	Jose-Luis Izursa	Seats (Total: 2)
	Contact instructor or department for details.	

ENST799 **Master's Thesis Research**

I101	Jose-Luis Izursa	Seats (Total: 2)
	Contact instructor or department for details.	

ENTM Entomology Winter 2025

ENTM730 **Plant Diagnostics**

The first step to managing pest and disease problems in plants is an accurate diagnosis. In this course, students will learn about the various biotic (living) and abiotic (nonliving) factors that can contribute to plant problems, and how to evaluate evidence and distinguish between these factors to arrive at an accurate diagnosis.

PLE1	David Clement	Seats (Total: 8)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Graduate Programs in Applied Entomology. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

ENTM747 **Pollinator Health**

Students will be given an overview of the importance of insect pollinators and threats to their populations. Emphasis will be placed on managed pollinators, particularly but not exclusively honey bees, where disease mitigation plans will be highlighted.

PLE1	Noble Noble	Seats (Total: 8)
	Meets November 25, 2024 - February 19, 2025	
	Class time/details on ELMs	ONLINE
	Must be in Graduate Programs in Applied Entomology. All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

EPIB Epidemiology and Biostatistics Winter 2025

EPIB301 **Epidemiology for Public Health Practice**

Restriction: Must be in Public Health Science program; or must be in Community Health program. And must have earned a minimum of 45 credits.

An examination of the discipline of epidemiology and its application to public health issues and practices, covering current epidemiological concepts and methods.

WB11	Jamie Trevitt Class time/details on ELMs *Restricted to College Park students in the Public Health Science major.*	Seats (Total: 50) ONLINE
WB12	Jamie Trevitt Class time/details on ELMs *Restricted to students in the Behavioral and Community Health major.*	Seats (Total: 20) ONLINE

EPIB798 **Independent Study**

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

EPIB799 **Master's Thesis Research**
Contact department for information to register for this course.

EPIB898 **Pre-Candidacy Research**

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0104	Typhanye Dyer Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Quynh Nguyen Contact instructor or department for details.	Seats (Total: 5)

0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

EPIB899 **Doctoral Dissertation Research**

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0102	Dushanka Kleinman Contact instructor or department for details.	Seats (Total: 5)
0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

0104	Typhanye Dyer Contact instructor or department for details.	Seats (Total: 5)
0105	Hongjie Liu Contact instructor or department for details.	Seats (Total: 5)
0106	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0108	Mei-Ling Lee Contact instructor or department for details.	Seats (Total: 5)
0109	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0120	Cher Dallal Contact instructor or department for details.	Seats (Total: 5)
0121	Xin He Contact instructor or department for details.	Seats (Total: 5)
0122	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0131	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0132	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0133	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0134	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0135	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0136	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)

FMSC111 **Credit Cards and College Students**

Recommended: Moderate level of computer literacy, especially Internet and ELMS. Reliable computer and Internet access. Credit only granted for: FMSC111, FMSC341 or FMSC498D. Formerly: FMSC498D.

Provides college students with factual information about basic money management skills, emphasizing the responsible use of credit, specifically credit cards. Topics will include financial goals, spending plan, wise use of credit, debt management, consumer credit protection, and ID Theft. Online lessons will include video clips and interactive class activities. Students will learn the basics to build a strong financial future.

WB11	Jesse Ketterman	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

FMSC123 **Personal Financial Literacy: From Distress to Success**

Exploring strategic thinking, career, education, financial planning during college years as the foundation for success in living a meaningful life. While introducing relevant institutions and tools & techniques that are critical for financial planning, this course applies value-based goal setting and strategic planning that inform individuals' paths for a successful career, educational attainment, and optimum (mental, physical and financial) wellbeing throughout their life cycle. The course particularly emphasizes the individual's responsibility of living in an institution rich society, where, continuous learning, understanding institutions, rational decision-making, valuing relationships and networking, early career development, record keeping, budgeting, generating income and wealth, purposeful spending, saving and investing, tax planning, appropriate use of loans, risk taking and insurance, and retirement planning are well rewarded and ensure the optimum use of college years and the rest of life-course.

WB11	Manouchehr Mokhtari	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC190 **Man Up! Where Are The Fathers?**

An examination of changing fatherhood roles, health, and inequality in diverse families. Focus will be on masculinities and disparities among men by race and class; provider role expectations; and trauma and violence faced by men in contemporary society.

WB11	Kevin Roy	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

FMSC260 **Couples, Marriage, and Families: Intimate Relationship Across the Life Course**

Covers the different aspects of couple relationships and family life. This includes common problems in couple relationships, and resources to strengthen couple and family relationships. You will also learn about stages of relationships, theories of love and family, policy related to couples and family formation, and how research is conducted with couples and families. Together, we will discuss and explore issues that couples and families face in modern times and will consider how many of these issues have changed due to policy, technology, attitudes, and a variety of other societal factors that impact relationships in the 21st century. You will also learn important methods of strengthening current and future relationships.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Elise Resnick	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

FMSC310 **Maternal, Child and Family Health**

Credit only granted for: FMSC310, FMSC410 or FMSC498A. Formerly: FMSC498A and FMSC410. Additional information: A comprehensive understanding of maternal, child, and family health, with additional emphasis on environmental health, needs assessment and evaluation, enabling students to more effectively address issues in the workplace.

Overview of the major issues in Maternal, Child, and Family Health in the U.S. and the world. The course will cover the social, political, environmental, and economic factors that shape the health of women, children, and families throughout the life course. It will employ the core disciplines of public health -- 1) epidemiology/biostatistics, 2) environmental health, 3) health policy and administration, and 4) social and behavioral health -- to examine these factors. The course introduces specific issues and interventions and places these issues and interventions within their broad sociohistorical context.

WB11	Edmond Shenassa	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

FMSC330 **Family Health: Health Happens in Families**

Restriction: Junior standing or higher.

The objective of this gateway course is to help you understand and apply basic theories and empirical data on family health. The course is designed to provide you with skills to think critically about theories including: Life Course Theory, the Bio-Ecological and Social-Ecological Models, and Systems Theory. We will ask questions about the distinct qualities and intersections of contexts and characteristics that impact the functioning of families. We will apply theory and research to topical issues in family health that are impacted by social structures such as conflict, crisis, migration, incarceration and inequalities.

WB11	Rabiatu Barrie	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC340 **Mental Health and Healing in Families**

Using an interdisciplinary approach to study mental health, mental wellness, and substance use, we will answer questions such as: How has our understanding and treatment of mental health changed throughout history? What are the current prevalence patterns and risk factors associated with mental health conditions? What is the prevention to postvention continuum? What is the role of relationships, families, and communities in addressing mental health? How do we diagnose and treat various mental health disorders using the best available research? And, what are the various mental health disciplines and how do they differ? This course is designed to examine mental health issues across the life course. We will explore the influence of social contexts, including racism and additional forms of othering, on mental health and wellness, and introduce the health systems that support mental health prevention and treatment.

WB11	Lauren Messina	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

FMSC341 **Personal and Family Finance**

Credit only granted for: FMSC341 or FMST341. Formerly: FMST341.

Individual and family financial strategies with emphasis on financial planning, savings, investments, insurance, income taxes, housing, and use of credit. Planning, analyzing, and controlling financial resources to resolve personal/family financial problems and to attain financial security.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Manouchehr Mokhtari	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

FMSC399 **Independent Study**

(Perm req)

Contact department for information to register for this course.

FMSC460 **Violence in Families**

Prerequisite: SOCY100, SOCY105, or PSYC100. Credit only granted for: FMSC460 or FMST460. Formerly: FMST460.

Theories of child, spouse, and elder abuse in the family setting. Emphasis on historical, psychological, sociological and legal trends relating to physical, emotional, and sexual abuse. Introduction to methods for prevention and remediation.

For more information about this online class and requirements, click on this link and scroll down to the course.

WB11	Christine Schull	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

FMSC630 **Family Therapy with Children and Adolescents**

Prerequisite: FMSC640. Restriction: Must be in the Couple and Family Therapy Master's Program. Credit only granted for: FMSC698P or FMSC630. Formerly: FMSC698P.

Covers the theory and practice of individual and family therapy with children and adolescents for the treatment of specific psychological disorders and family system challenges. The course covers assessment and unique considerations for treatment management when working with minors as well as specific therapy models and techniques to work with children and adolescents such as structural family therapy, cognitive-behavioral family therapy, attachment-based therapy, and play therapy techniques. The course also includes psycho-educational family interventions and evidence-based practices for assessment and treatment of children and adolescents. The course emphasizes consideration of therapists' and clients' social location as well as socio-culturally attuned, inclusive, and affirming conceptualization, assessment and treatment to serve diverse populations.

In addition to the times listed, this section will also meet on the following Fridays; January 3rd, January 10th, and January 17th, from 9am-1pm.

0101	Liann Seiter	Seats (Total: 12)
	TuThF 9:00am - 1:00pm	Location: TBA

FMSC632 Testing and Assessment in Couple and Family Therapy

Restriction: Permission of the Family Science department. Credit only granted for: FMSC698T or FMSC632. Formerly: FMSC698T.

Graduate course in family, couple, and individual testing and assessment. The course will cover typical procedures and instruments for assessing qualities of individual functioning and relationship functioning, in work with families and couples. Study of the assessment process will include test construction and use of standardized tests, assessments, and rating scales. The use of assessment in treatment plans and treatment outcome evaluation, ethical considerations, and the dissemination of information to clients and others are covered. Also, this course will include classic testing and assessment methods, to ensure familiarity with these measures among CFTs.

0101	Diana Mayer	Seats (Total: 20)
	M 9:00am - 1:30pm	Location: TBA
	TuTh 9:00am - 1:00pm	Location: TBA

FMSC654 Clinical Marriage and Family Therapy Practice

Prerequisite: FMSC651. Restriction: Must be in Couple and Family Therapy (Master's) program.

Focuses on the integration of ethics, professional identity, and administrative aspects of clinic operations in a practice setting. This course covers all the administrative duties and responsibilities that students have as interns of the Center for Healthy Families from enrollment to graduation from the Couple and Family Therapy program.

0101	Tiara Fennell	Seats (Total: 15)
	W 8:00am - 4:30pm	Location: TBA
	Contact instructor or department for details.	

FMSC689 **Research Internship**

Research experience resulting in a scholarly article suitable for publication in a peer-reviewed journal.

Contact department for information to register for this course.

FMSC698 **Advanced Topics in Family Science**

(Perm req)

Arranged group study on specific topic which may vary from term to term.

Contact department for information to register for this course.

FMSC698V **Advanced Topics in Family Science; Violence in Families**

Arranged group study on specific topic which may vary from term to term.

WB11	Christine Schull Class time/details on ELMs	Seats (Total: 15) ONLINE

FMSC699 **Independent Study**
Contact department for information to register for this course.

FMSC789 **Non-Thesis Research**

Non-thesis option research papers.

I102	Mariana Falconier Contact instructor or department for details.	Seats (Total: 10)
I104	Amy Morgan Contact instructor or department for details.	Seats (Total: 10)
I105	Jessica Fish Contact instructor or department for details.	Seats (Total: 10)
I106	Manouchehr Mokhtari Contact instructor or department for details.	Seats (Total: 10)
I110	Elise Resnick Contact instructor or department for details.	Seats (Total: 10)
I112	Rabiatu Barrie Contact instructor or department for details.	Seats (Total: 10)
I113	Christine Schull Contact instructor or department for details.	Seats (Total: 10)
I114	Kerry Tripp Contact instructor or department for details.	Seats (Total: 10)

I118	Kevin Roy Contact instructor or department for details.	Seats (Total: 10)
I119	Edmond Shenassa Contact instructor or department for details.	Seats (Total: 10)
I120	Jinhee Kim Contact instructor or department for details.	Seats (Total: 10)
I122	Elisabeth Maring Contact instructor or department for details.	Seats (Total: 10)
I124	Mia Smith-Bynum Contact instructor or department for details.	Seats (Total: 10)
I125	Erica Turner Contact instructor or department for details.	Seats (Total: 10)
I126	Amy Lewin Contact instructor or department for details.	Seats (Total: 10)
I127	Mona Mittal Contact instructor or department for details.	Seats (Total: 10)
I128	Julia Steinberg Contact instructor or department for details.	Seats (Total: 10)
I129	Marie Thoma Contact instructor or department for details.	Seats (Total: 10)
I130	Tiara Fennell Contact instructor or department for details.	Seats (Total: 10)
I131	Ghaffar Hurtado Choque Contact instructor or department for details.	Seats (Total: 10)
I132	Sandra Quinn Contact instructor or department for details.	Seats (Total: 10)

FMSC799 **Master's Thesis Research; Master Thesis Research**
Contact department for information to register for this course.

FMSC898 **Pre-Candidacy Research**

0119	Edmond Shenassa Contact instructor or department for details.	Seats (Total: 1)

GEOG Geographical Sciences Winter 2025

GEOG130 **Development Geography: Environmental & Social Justice**

The geography of economic, social, and environmental well-being and inequality. The course will provide an integrated perspective on the causes, interconnections, and consequences across time and space of, among others, globalization, climate change, poverty, employment, migration and urban growth, agricultural productivity, rural development, policies and international trade. Portraits of selected countries and regions will be developed.

WB11	Byron Marroquin	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

GEOG140 **Natural Disasters: Earthquakes, Floods, and Fires**

Catastrophic Environmental Events (CCE) that are becoming more common in this time of global environmental change and it is essential that today's students be equipped with the knowledge and skills to be leaders as we, as a society, understand the upheaval that these CCEs are causing. Students will examine how CEEs shape human society and ecosystem from the interdisciplinary perspective afforded by the field of Geography. Students will use the latest geographic science concepts and techniques in exploring these events. Using satellite imagery they will gain a multi-scale perspective of the ecological and societal aspects of the events.

WB11	Keith Yearwood	Seats (Total: 65)
	Class time/details on ELMs	ONLINE

GEOG170 **Mapping our Digital World**

Introduction to technical methods used in gathering, analyzing, and mapping geospatial information for applications such as urban mobility, environmental monitoring, situational awareness, and disaster management. Topics include Geographic Information Systems (GIS), cartography, map projections, satellite and airborne remote sensing, the global positioning system (GPS), and introductory statistics and probability. The course is a gateway to more advanced technical classes in geospatial science.

WB11	Rachel Marks	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

GEOG201 **Geography of Environmental Systems**

A systematic introduction to the processes and associated forms of the atmosphere and earth's surfaces emphasizing the interaction between climatology, hydrology and geomorphology.

WB11	Amanda Hall	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

GEOG202 **Introduction to Human Geography**

Introduction to what geographers do and how they do it. Systematic study of issues regarding social and cultural systems from a global to a local scale. Looks at the distribution of these variables and answers the question "Why here, and not there"?

WB11	Tavis Mansfield	Seats (Total: 25)	
	Class time/details on ELMs	ONLINE	

GEOG211 **Geography of Environmental Systems Laboratory**

Prerequisite: Must have completed or be concurrently enrolled in GEOL120, GEOL100, or GEOG201.

A laboratory course to accompany GEOG 201. Analysis of the components of the earth's energy balance using basic instrumentation; weather map interpretation; soil analysis; the application of map and air photo interpretation techniques to landform analysis.

WB11	Baobao Liu	Seats (Total: 45)	
	Class time/details on ELMs	ONLINE	

GEOG272 **Introduction to Earth Observation Science**

Credit only granted for: GEOG272 or GEOG372. Formerly: GEOG372.

Concepts and principles of Earth observation and remote sensing in relation to photographic, thermal infrared and radar imaging. Methods of obtaining quantitative information from remotely-sensed images. Interpretation of remotely-sensed images emphasizing the study of spatial and environmental relationships.

Students must pay a $40.00 lab materials fee.

WB11	Yiming Zhang	Seats (Total: 25)	
	MTuWTh 9:00am - 10:50am	ONLINE	
	Class time/details on ELMs	ONLINE	
	MTuWTh 11:00am - 1:00pm	ONLINE	Lab

GEOG276 **Principles of Python Programming and Geocomputing**

Introduces conceptual and practical aspects of scientific computing using the Python programming language. The main focus is on developing proficiency for the basic elements of the development environment, foundational syntax including variables, logical operators, looping, conditional statements, nesting, and common programming patterns for mathematical and textual computing. In addition, essential data structures and functionality for scientific computing, such as arrays, dataframes, and data visualization will be introduced. Throughout the course, students will also become exposed to various applications in the domain of the social and environmental sciences.

Students must pay a $40.00 lab materials fee.

WB11	Zhihao Wang	Seats (Total: 25)	
	MTuWTh 6:00pm - 9:30pm	ONLINE	

GEOG306 **Introduction to Quantitative Methods for the Geographical Environmental Sciences**

Essentials in the quantitative analysis of spatial and other data, with a particular emphasis on statistics and programming. Topics include data display, data description and summary, statistical inference and significance tests, analysis of variance, correlation, regression, and some advanced concepts, such as matrix methods, principal component analysis, and spatial statistics. Students will develop expertise in data analysis using advanced statistical software.

Students must pay a $40.00 lab materials fee.

WB11	Robyn Gausman-Burnett	Seats (Total: 25)
	MTuWTh 6:00pm - 9:30pm	ONLINE

GEOG328B **Topics in Regional Geography; Geography of the Southern Caribbean**

Selected topics in regional geography.

Contact department for information to register for this course.

GEOG330 **As the World Turns: Society and Sustainability in a Time of Great Change**

Credit only granted for: GEOG330, GEOG360, or GEOG362. Formerly: GEOG362.

Cultural geography course on society and sustainability. Culture is the basic building block that is key to sustainability of societies. Course will cover sustainability of societies on different scales, examining local, regional, and worldwide issues. Sustainability will be examined as a key element of environmental sustainability. How societies adjust to rapid world change will be examined as a positive and/or negative factor in sustainability.

WB11	Rachel Lamb	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GEOG373 **Geographic Information Systems**

Characteristics and organization of geographic data; creation and use of digital geospatial databases; metadata; spatial data models for thematic mapping and map analysis; use of geographic information system in society, government, and business. Practical training with use of advanced software and geographic databases.

There is a $40.00 lab fee with this course. This course will be taught online athttp://elms.umd.edu using Live Classroom software.

WB11	Naijun Zhou	Seats (Total: 25)
	MTuWTh 6:00pm - 9:30pm	ONLINE

GEOG384 **Internship in Geography I**

(Perm req)

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and (ENGL393 or ENGL390). Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional level activities, demands, opportunities. Placement at a public agency, non-profit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

I101	Keith Yearwood Contact instructor or department for details.	Seats (Total: 10)
I102	Keith Yearwood Contact instructor or department for details.	Seats (Total: 5)

GEOG385 **Internship in Geography II**

(Perm req)

Prerequisite: GEOG211, GEOG306, GEOG212, and GEOG201; and must have completed a Junior (Professional) English course. Restriction: Must be in Geography program.

Supervised field training to provide career experience. Introduction to professional-level activities, demands, opportunities. Placement at a public agency, nonprofit organization, or private firm. Participation requires application to the internship advisor in preceding semester.

I101	Keith Yearwood Contact instructor or department for details.	Seats (Total: 5)
I102	Keith Yearwood Contact instructor or department for details.	Seats (Total: 5)

GEOG498 **Topical Investigations**

(Perm req)

Independent study under individual guidance.

Contact department for information to register for this course.

GEOG646 **Programming for GIS**

Additional information: This class is recommended for all MSGIS students who have no prior computer programming background as well as those who wish to have additional practice. The skills learned in this class will be useful for more advanced courses such as GEOG656 (Programming and Scripting for GIS), GEOG657 (Web Programming), and GEOG650 (Mobile GIS).

An introduction to computer programming using Python and web programming languages. It is required for students in the MSGIS program before they enroll in more advanced programming courses (GEOG656 and GEOG657). This course teaches students the fundamentals concepts of computer science. Students will learn about the components of a computer program such as data management, conditional statements, iterative statements, and file processing. Students will develop programs and web apps for the purpose of automating tasks and assisting with data analysis.

Students must pay a $40 lab fee.

PGS1	Jonathan Resop	Seats (Total: 25)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	LEF 1158	
	Th 5:30pm - 8:00pm	LEF 1158	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		
PLG1	Jonathan Resop	Seats (Total: 15)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG651 **Spatial Statistics**

Restriction: Must be in Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

This course is about quantitative analysis of spatial data. It is intended to provide a broad survey of various methods of exploratory statistical data analysis most useful in environmental and social sciences. The course is a mix of theory, methods, and applications geared towards helping students: (1) develop an understanding of the important theoretical concepts in spatial data analysis; and (2) gain practical experience in application of spatial statistics to a variety of social and environmental problems using advanced statistical software.

Students must pay a $40 lab fee.

PGS1	Xin Tao	Seats (Total: 25)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	LEF 1166	
	Th 5:30pm - 8:00pm	LEF 1166	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		

PLG1	Xin Tao	Seats (Total: 15)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG655 **Spatial Database System**

Prerequisite: GEOG653. Restriction: Must be in Geospatial Information Sciences (Master's) program; or must be in Graduate Certificate: Professional Studies-Geospatial Information Sciences.

This course is designed to help students understand, analyze, design, and implement spatial databases. While the basic concepts and theories of database will be introduced, the focus of this course will be on providing students with hands-on experiences to practice the technical skills used in spatial database design and implementation. SQL, Oracle, and ArcSDE are the key topics.

Students must pay a $40 lab fee.

PGS1	Xin Tao	Seats (Total: 30)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	LEF 1158	
	Tu 5:30pm - 8:00pm	LEF 1158	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		
PLG1	Xin Tao	Seats (Total: 30)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	ONLINE	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG660 **Advanced Remote Sensing Using Lidar**

Prerequisite: GEOG652. Recommended: GEOG656 and GEOG654. Credit only granted for: GEOG660 or GEOG788G. Formerly: GEOG788G.

Lidar, also known as laser scanning, is an active remote sensing tool that can produce high-resolution point clouds. Lidar is being applied to problems such as terrain modeling, biomass estimation, change detection, feature extraction, and measuring tree canopy. Topics covered are fundamentals of lidar, current developments in lidar technology, and different applications where lidar is being used. Students will get hands-on learning about lidar data management, processing, and analysis.

Students must pay a $40 lab fee.

PGS1	Jonathan Resop	Seats (Total: 25)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	LEF 1166	
	Tu 5:30pm - 8:00pm	LEF 1166	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		
PLG1	Jonathan Resop	Seats (Total: 15)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	ONLINE	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG664 GEOINT Systems and Platforms

There are numerous systems and platforms that support the collection, visualization and dissemination of Geospatial Intelligence (GEOINT). Platforms such as satellites and aircraft carry sensors systems that can detect both physical and man-made objects on the earth. Ground-based processing systems are used to analyze and visualize sensor data, and also to create and disseminate GEOINT products that guide decision-making. In this course you will learn how to develop and implement source-to-screen GEOINT workflows, and will understand how to use a system of systems approach to describe the programmatic and technical strengths and weaknesses of many different GEOINT systems and platforms.

Students must pay a $40 lab fee.

PGS1	Jonathon Hathaway	Seats (Total: 25)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	LEF 1106	
	Th 5:30pm - 8:00pm	LEF 1106	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		

PLG1	Jonathon Hathaway	Seats (Total: 15)	
	Meets November 25, 2024 - February 19, 2025		
	W 5:30pm - 8:00pm	ONLINE	
	Th 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG665 Algorithms for Geospatial Intelligence Analysis

Recommended: Students taking the course must be familiar with data structures, basic GIS and RS concepts, and demonstrate basic understanding of using GIS and RS software. Restriction: Permission of BSOS-Geography department; or must be enrolled in Geographical Sciences MPS or graduate certificate program.

Exposes students to fundamental algorithms in geospatial intelligence and their application in methodological and substantive domains, and their implementation in computer programs and software systems. Current topics include spatial and space-time analysis, cartographic transformations, data compression and reduction, MapReduce and distributed data access, genetic algorithms, clustering and indexing algorithms, filtering algorithms, geometry and tessellation algorithms, routing algorithms, localization algorithms, and complexity and scaling. Implementation of algorithms will be explored through pseudo-code and a variety of scripting, data access, and programming languages.

Students must pay a $40 lab fee.

PGS1	Ruibo Han	Seats (Total: 25)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	LEF 1106	
	Tu 5:30pm - 8:00pm	LEF 1106	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence. Golden ID students are not eligible for this section.		
PLG1	Ruibo Han	Seats (Total: 15)	
	Meets November 25, 2024 - February 19, 2025		
	M 5:30pm - 8:00pm	ONLINE	
	Tu 5:30pm - 8:00pm	ONLINE	Lab
	Must be in Graduate Programs in Geospatial Information Sciences or Geospatial Intelligence, Online. Golden ID students are not eligible for this section.		

GEOG789 Independent Readings

Independent reading as arranged between a graduate faculty member and graduate student.

Contact department for information to register for this course.

GEOG899 **Doctoral Dissertation Research**

0101	Dongdong Wang	Seats (Total: 5)
	Contact instructor or department for details.	
0102	Chengquan Huang	Seats (Total: 5)
	Contact instructor or department for details.	

GEOL Geology Winter 2025

GEOL123 **Causes and Consequences of Global Change**

Cross-listed with: AOSC123. Credit only granted for: AOSC123, GEOG123, or GEOL123.

Study of the major components of Earth's climate system and climate change history. Discussion of 21st century climate change prediction, mitigation and adaptation efforts.

WB11	Samantha Kemper	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

GEOL799 **Master's Thesis Research**

0101	Alan Kaufman	Seats (Total: 5)
	Contact instructor or department for details.	

GEOL899 **Doctoral Dissertation Research**

I101	Laurent Montesi	Seats (Total: 5)
	Contact instructor or department for details.	

GERS German Studies Winter 2025

GERS399L **Selected Topics in German Studies; Introduction to German Linguistics**

Selected topics on the language, literature, and culture of the German-speaking world.

Prerequisite: GERS302. Provides a comprehensive introduction to German linguistics, the scientific study of language as applied to German. The course covers key linguistics concepts through the German language from synchronic, diachronic, and sociolinguistic perspectives, followed by a creative language project. Students will build and demonstrate their understanding of linguistic principles through discussion, activities, and completion of exercises. No prior experience with linguistics is required or expected. Taught in German.

WB11	John Scott	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

GVPT Government and Politics Winter 2025

GVPT170 **American Government**

A comprehensive study of national government in the United States.

WB11	Jillian Rothschild	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT200 **International Political Relations**

A study of the major factors underlying international relations, the causes of conflict and cooperation among international actors, the role of international institutions, the interactions of domestic and foreign policies, and major issues in security, economy and the environment.

WB11	Flavia Batista Da Silva	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT306 **Global Environmental Politics**

Prerequisite: GVPT200. Restriction: Must be in one of the following programs (Government & Politics; Government & Politics: International Relations) ; or permission of BSOS-Government & Politics department.

Focus on three processes of international environmental policy development- identifying problems, negotiating solutions, and implementing agreements- through a range of case studies, including global climate change.

Open to all majors for winter term.

WB11	Jennifer Wallace	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT309F **Topics in International Relations; Chile: Chilean Culture, Democracy and Social Change**

The study of topics in international relations.

Contact department for information to register for this course.

GVPT309T **Topics in International Relations; Emerging Technologies and Politics**

The study of topics in international relations.

This course addresses five questions. Why are many countries so eager to develop new technologies? Will new technologies worsen democratic backsliding? Why is it so hard to cooperate on dual use technologies? Why is it so hard to prevent industrial espionage? How will new technologies affect the World Trade Organization? This is an interdisciplinary course integrating anthropology (does technology shape society or vice versa), sociology, East Asian studies (China & South Korea's AI in the 2020s), history (France's nuclear technology in the 1970s & the Soviet development of satellites in the 1950s), Near Eastern Studies (digital authoritarianism in Iran and Syria), and political science.

WB11	Youngjoon Lee	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT309V **Topics in International Relations; Gender and Political Violence**

The study of topics in international relations.

This course will provide an overview for how gender and conflict intersect in the contemporary world. We will address questions such as why women experience gendered violence, why do women participate in violence, and what backlash do women face in the public sphere. This course will cover topics such as the causes and consequences of war, the role of women in politics (as symbols, victims, activists, politicians, and perpetrators of violence), the causes and consequences of gender-based violence, and the regulation of sex and gender (such as family and citizenship law, abortion, LGBT+ identity, gender inequality).

WB11	Taylor Vincent	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT358K **Study Abroad Seminar in Political Science; From the Pampas to the Andes: Political Culture and Local Politics in Argentina**

The study of topics in political science.

Contact department for information to register for this course.

GVPT358T **Study Abroad Seminar in Political Science; Human Rights in Latin America**

The study of topics in political science.

Contact department for information to register for this course.

GVPT358V **Study Abroad Seminar in Political Science; Neoliberalism and Social Movements in Latin America**

The study of topics in political science.

Contact department for information to register for this course.

GVPT379D **Topics in American Politics; Divided We Stand: Political Polarization in the United States**

The study of topics in American politics.

This course explores the causes and consequences of political polarization in the United States, focusing on both institutional and behavioral perspectives. We'll examine the extent of polarization among voters and elites and discuss whether American institutions are so polarized they can no longer govern effectively. We will trace the evolution of both major political parties and analyze the role of ideological sorting, gerrymandering, and primary elections in American politics. Finally, we will broaden our scope to consider whether we are in a global age of polarization and discuss potential strategies to address America s growing divide.

WB11	Florian Gawehns	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT388T **Topical Investigations; Germany in the New Europe: Politics, Business, and Culture**

Independent research and writing on selected topics in government and politics.

Contact department for information to register for this course.

GVPT399F **Seminar in Government and Politics; Power, Politics, and Data: A Hands-On Introduction to Political Science Data Analysis with R**

Reading, research, discussion, analysis, and writing in the area of politics. Both substantive issues and methodological approaches will be considered. Primarily for government and politics undergraduate majors.

Dive into the world of political data to uncover the stories behind today's headlines. This course introduces students to the essentials of political data analysis, using R to explore and visualize trends in real-world political events. From election outcomes to social movements, you'll learn how data shapes our understanding of politics and gain hands-on experience working with the tools professionals use. Designed for both political science enthusiasts and those new to the field, this course requires no prior experiencejust a keen interest in how data informs the world around us.

WB11	Harriet Goers	Seats (Total: 50)
	Class time/details on ELMs	ONLINE

GVPT728 **Advanced Topics in Modeling and Political Analysis**

Introduction to advanced modeling and data techniques that exist beyond linear and logistic regression. Topics may include Time Series modeling, Count modeling, Multinomial Logistic Modeling, and Natural Language Processing, among other methods.

PWA1	Neil Lund	Seats (Total: 10)
	MTuWThF 6:00pm - 8:45pm	ONLINE
	Must be in Applied Political Analytics (MS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

HEBR Hebrew Winter 2025

HEBR298O **Jewish Languages in America**

Cross-listed with: JWST285. Credit only granted for: JWST285, JWST219O or HEBR298O. Formerly: JWST219O.

With a particular focus on language minority intra-group relationships -- the convergences, divergences, feelings of solidarity and tensions of difference within the group--this course will examine the history, current functional use and identity implications of Jewish languages in the United States.

WB11	Avital Karpman	Seats (Total: 15)
	Class time/details on ELMs	ONLINE

HESI Higher Ed, Student Affairs, and International Ed Policy Winter 2025

HESI318E **Applied Contextual Leadership; Exploring Strengths and Values for Effective Leadership**

Course will utilize experiential learning opportunities to develop and apply the knowledge and skills of leadership into specific contexts of leadership practice.

Students will explore strengths and values of individuals and teams to better understand how to engage in effective, collaborative leadership. Tools such as the Gallup Organization's CliftonStrengths Assessment will be used with a critical lens. Themes of teamwork, problem-solving, diversity and inclusion, coaching others, and conflict resolution are woven throughout the course. (Students with previous credit for HESI418E Strengths-Based Leadership are not eligible to take this course. Contact leadershipstudies@umd.edu with questions.)

WB11	Anastasia Lavrenyuk	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

HESP Hearing and Speech Sciences Winter 2025

HESP305 **Anatomy and Physiology of the Speech Mechanism**

(Perm req)

Prerequisite: Minimum grade of C- in HESP202; or permission of BSOS-Hearing & Speech Sciences department.

Anatomy, physiology, and neurology of speech mechanism.

WB11	Adam Redmond	Seats (Total: 15)
	MTuWTh 5:30pm - 7:30pm	ONLINE
	Class time/details on ELMs	ONLINE

HESP386 **Experiential Learning**

(Perm req)

Restriction: Junior standing or higher; and permission of BSOS-Hearing & Speech Sciences department.

Students will have the opportunity observe and/or participate in therapy activities provided by a speech-language pathologist or audiologist in this experiential learning course.

0116	Nan Ratner	Seats (Total: 10)
	Contact instructor or department for details.	

HESP499 **Independent Study**

(Perm req)

A directed study of selected topics pertaining to human communication and its disorders.

Contact department for information to register for this course.

HESP601 **Foundations of Scientific Inquiry**

Restriction: Must be in Hearing and Speech Sciences: M.A. (Master's) program; or permission of Instructor. Additional information: Course meets over three semesters for the duration of the Masters of Speech-Language Pathology program.

Overview of methods of empirical research used in Communication Sciences and Disorders. The course will focus on identifying, critically analyzing, and writing about empirical research.

WB11	Rochelle Newman Class time/details on ELMs	Seats (Total: 30) ONLINE

HESP617 **Cultural and Linguistic Diversity in Communication and its Disorders**

Recommended: HESP417 or equivalent. Restriction: Must be in one of the following programs (Hearing and Speech Sciences: Ph.D. (Doctoral); Clinical Audiology: Au.D. or Ph.D. (Doctoral); Hearing and Speech Sciences: M.A. (Master's)).

An exploration and discussion of cultural and linguistic diversity, its impact on communication and communication disorders, and strategies for assessment and intervention of culturally and linguistically diverse clients

0101	Eusebia Mont MTuWTh 10:00am - 12:30pm	Seats (Total: 24) KEY 0103
PWH1	Miguelina Zapata TuWTh 6:00pm - 8:50pm	Seats (Total: 30) ONLINE
	Must be in the Bilingual Speech-Language Pathology for Practitioners, Online. Golden ID students are not eligible for this section.	

HESP638 **Research Practicum**

(Perm req)

Analysis, synthesis and integration of knowledge related to current research or clinical issues in human communication and its related disorders.

Contact department for information to register for this course.

HESP639 **Special Topics in Hearing and Speech Sciences; Cochlear Implants**

Intensive coverage of selected topics of current interest.

0101	Nicole Nguyen W 9:30am - 12:00pm	Seats (Total: 20) TYD 1108

HESP639A **Special Topics in Hearing and Speech Sciences; Traumatic Brain Injury**

Intensive coverage of selected topics of current interest.

0101	Jennifer Myers MTuWTh 1:30pm - 4:00pm	Seats (Total: 30) TYD 0111

HESP704 **Audiology Practice Management**

Prerequisite: HESP606, HESP706, HESP700, and HESP701; or permission of instructor.

Basics of clinical business management both in the context of private practice in Audiology and as a department in a healthcare corporation.

0101	Monica Allgauer	Seats (Total: 20)
	MTuWTh 9:30am - 12:15pm	TYD 1114

HESP708 **Independent Study**

(Perm req)

Individual research projects under guidance of a faculty member.

Contact department for information to register for this course.

HESP799 **Master's Thesis Research**
Contact department for information to register for this course.

HESP849 **Capstone Research Project I**

First of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves individual study and/or supervised lab work with mentor, preparation of research proposal (including IRB protocol if required), and attendance at Capstone Research Project Workshop.

Contact department for information to register for this course.

HESP859 **Capstone Research Project II**

Second of two-course sequence leading to the final research requirement for the Doctor of Audiology (Au.D.) degree; involves final data collection, analysis and presentation of results or completion of scholarly paper under the direction of the faculty mentor.

Contact department for information to register for this course.

HESP889 **Doctoral Candidacy Research**

Doctoral candidacy paper research

Contact department for information to register for this course.

HESP898 **Pre-Candidacy Research**
Contact department for information to register for this course.

HISP Historic Preservation Winter 2025

HISP319G **Special Topics in Historic Preservation; GIS for Historic Preservation**

Students will explore technical aspects of preservation taught by practitioners whose expertise are of special benefit to undergraduate students.

0101	Stefan Woehlke	Seats (Total: 20)
	MTuWThF 9:20am - 12:00pm	ARC 1115

HISP619C **Special Topics in Historic Preservation; Havana's Art & Culture: The Intersection of Architecutre, Planning, Preservation and Economics**

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

Cross-listed with ARCH478D, ARCH678D, RDEV689C, URSP399I, and URSP688R. Credit only granted for ARCH478D, ARCH678D, HISP619C, RDEV689C, URSP399I, or URSP688R. This course will explore art and culture in Havana, Cuba as the intersection of architecture, planning, preservation, and economics, including real estate development. Havana is one of the oldest cities in the hemisphere, having just celebrated its 500th anniversary. The course will provide the opportunity for the students to intensely interact (virtually, from Havana) with Cuban experts in each discipline. Students will first learn about the rich and complex contextual past and present framework for how these four disciplines interact and are manifested in the arts, culture, and society. Group projects will apply the learning to specific neighborhoods in Havana. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide opportunities for virtual, project-based, and international collaboration.

Contact department for information to register for this course.

HISP619G **Special Topics in Historic Preservation; GIS for the Built Environment**

Technical aspects of preservation taught by practitioners whose expertise are of special benefit to certificate students.

GIS for Historic Preservation will provide students with the fundamental skills needed to use geographic information systems for a variety of applications within the heritage industries, including historic preservation, archaeology, and cultural resources management The coursewill begin with foundational skill building, including relational database basics, metadata creation, geographic coordinate systems and projections, spatial data types and their implications, feature creationand editing,data manipulation, and building spatial models for solving common challenges in preservation.

0101	Stefan Woehlke	Seats (Total: 20)
	MTuWThF 9:20am - 12:00pm	ARC 1115

HISP629 **Independent Studies in Historic Preservation**

(Perm req)

Individual Instruction course.

Contact department for information to register for this course.

HIST History Winter 2025

HIST200 **Interpreting American History: Beginnings to 1877**

Credit only granted for: HIST156 or HIST200. Formerly: HIST156.

The United States from colonial times to the end of the Civil War. Establishment and development of American institutions.

WB11	Robert Chiles	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST201 **Interpreting American History: From 1865 to the Present**

Credit only granted for: HIST157 or HIST201. Formerly: HIST157.

The United States from the end of the Civil War to the present. Economic, social, intellectual, and political developments. Rise of industry and emergence of the United States as a world power.

WB11	Robert Chiles	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST319W **Special Topics in History; Hollywood and Politics from 1915 to the Present**

Cross-listed with: CINE329G. Credit only granted for: HIST319W or CINE329G Hollywood and Washington have been obsessed with each other for a long time. This course explores the history of this "dangerous" relation during the past 100 years.

WB11	Saverio Giovacchini	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST328E **Selected Topics in History; The Politics of the Apocalypse: Imagining the World's End in Modern Times**

This course will explore apocalyptic concerns from ancient times through the present COVID-19 pandemic, focusing on three domains: religion, politics, and technology. The course will also challenge students to see history itself as a bone of contention, a subject of interpretation, rather than a fixed story of progress toward a predetermined end.

WB11	Piotr H Kosicki	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HIST329N **Special Topics in History; Chile: Chilean Culture, Democracy and Social Change**
Contact department for information to register for this course.

HIST338G **Special Topics in History; The Global Cold War and How We Remember it, 1945-1991**

Thematic exploration of a topic in history.

WB11	Nicholas Misukanis	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

It is all too easy to reduce the Cold War to simply a conflict between the Soviet Union and the United States. But there is another story of many nations, actors, and political groups that sought to take advantage of this conflict and advance their own agendas or adapt to the political realities of a post World War II landscape. This course explores the history and memory of the Cold War with a focus on primary sources, and secondary sources in the form of films and TV shows that depict the conflict through the eyes of actors who are normally seen on the periphery. In the end, students will have a better understanding of what the Cold War meant to different parts of the world and what was at stake in this transformative time.

HLSA Health Services Administration Winter 2025

HLSA300 **Introduction to Health Policy and Services**

Prerequisite: Must have completed or be concurrently enrolled in SPHL100 or PHSC300. Restriction: Must be in Public Health Science program; and must have earned a minimum of 60 credits. Credit only granted for: SPHL498P or HLSA300. Formerly: SPHL498P.

A multidimensional view of public health policy and services. Through interactive discussion of assigned readings, team-based learning, and supplementary lecture, students will learn about the nature of and development of policy, public health policy, and financing and delivery of health care services. This course will place a significant emphasis on a team-based learning approach to understanding the health care system and health care reform.

WB11	Max Paris	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

HLSA688 **Independent Study**

Master or doctoral students who desire to pursue special research problems under the direction of a faculty memeber of the department may register for 1-6 hours of credit under this number.

I102	Lori Simon-Rusinowitz	Seats (Total: 5)
	Contact instructor or department for details.	
I103	Neil Sehgal	Seats (Total: 5)
	Contact instructor or department for details.	
I104	Instructor: TBA	Seats (Total: 5)
	Contact instructor or department for details.	
I105	Michel Boudreaux	Seats (Total: 5)
	Contact instructor or department for details.	
I106	Rebecca Gourevitch	Seats (Total: 5)
	Contact instructor or department for details.	
I107	Luisa Franzini	Seats (Total: 5)
	Contact instructor or department for details.	
I108	Stephen Thomas	Seats (Total: 5)
	Contact instructor or department for details.	
I109	Jie Chen	Seats (Total: 5)
	Contact instructor or department for details.	

I110	Dahai Yue Contact instructor or department for details.	Seats (Total: 5)
I111	Kellee White Whilby Contact instructor or department for details.	Seats (Total: 5)
I112	Xuanzi Qin Contact instructor or department for details.	Seats (Total: 5)
I113	Aryn Phillips Contact instructor or department for details.	Seats (Total: 5)

HLSA778 **Practical Experience in Public Health**

(Perm req)

Practical experience providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the experience will depend upon the student's background and career goals.

Contact department for information to register for this course.

HLSA786 **Capstone Project in Public Health**

Prerequisite: Permission of SPHL-Health Services Administration department.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

I102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 5)
I103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 5)
I104	Melvin Seale Contact instructor or department for details.	Seats (Total: 5)
I105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 5)
I106	Rebecca Gourevitch Contact instructor or department for details.	Seats (Total: 5)
I107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 5)

I108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 5)
I109	Jie Chen Contact instructor or department for details.	Seats (Total: 5)
I110	Dahai Yue Contact instructor or department for details.	Seats (Total: 5)
I111	Kellee White Whilby Contact instructor or department for details.	Seats (Total: 5)
I112	Xuanzi Qin Contact instructor or department for details.	Seats (Total: 5)
I113	Aryn Phillips Contact instructor or department for details.	Seats (Total: 5)

HLSA799 **Master's Thesis Research**

0103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 5)
0105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 5)
0106	Rebecca Gourevitch Contact instructor or department for details.	Seats (Total: 5)
0107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 5)
0112	Xuanzi Qin Contact instructor or department for details.	Seats (Total: 5)
0113	Aryn Phillips Contact instructor or department for details.	Seats (Total: 5)

HLSA898 **Pre-Candidacy Research**

I102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
I103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)

I104	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
I105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)
I106	Rebecca Gourevitch Contact instructor or department for details.	Seats (Total: 10)
I107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)
I108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
I109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)
I110	Dahai Yue Contact instructor or department for details.	Seats (Total: 10)
I111	Kellee White Whilby Contact instructor or department for details.	Seats (Total: 10)
I112	Xuanzi Qin Contact instructor or department for details.	Seats (Total: 5)
I113	Aryn Phillips Contact instructor or department for details.	Seats (Total: 5)

HLSA899 Doctoral Dissertation Research

I102	Lori Simon-Rusinowitz Contact instructor or department for details.	Seats (Total: 10)
I103	Neil Sehgal Contact instructor or department for details.	Seats (Total: 10)
I104	Instructor: TBA Contact instructor or department for details.	Seats (Total: 10)
I105	Michel Boudreaux Contact instructor or department for details.	Seats (Total: 10)

I106	Rebecca Gourevitch Contact instructor or department for details.	Seats (Total: 10)
I107	Luisa Franzini Contact instructor or department for details.	Seats (Total: 10)
I108	Stephen Thomas Contact instructor or department for details.	Seats (Total: 10)
I109	Jie Chen Contact instructor or department for details.	Seats (Total: 10)
I110	Dahai Yue Contact instructor or department for details.	Seats (Total: 10)
I111	Kellee White Whilby Contact instructor or department for details.	Seats (Total: 10)
I112	Xuanzi Qin Contact instructor or department for details.	Seats (Total: 5)
I113	Aryn Phillips Contact instructor or department for details.	Seats (Total: 5)

HLTH Health Winter 2025

HLTH124 **Introduction to Behavioral and Community Health**

Restriction: Must be in a major within the SPHL-Behavioral & Community Health department.

Required of first semester Community Health majors to expose them to introductory-level concepts within the field of behavioral and community health as well as the Community Health degree program. Includes discussion on the delivery of behavioral and community health at the local, state, national, and global levels; career opportunities in the diverse sectors of the community health field; undergraduate programmatic information; and strategies for student success.

For the winter, restriction is not in effect. Students of all majors are eligible to register and take this course.

WB11	M Reynolds Class time/details on ELMs	Seats (Total: 40) ONLINE

HLTH140 **Personal and Community Health**

Meaning and significance of physical, mental and social health as related to the individual and to society; important phases of national health problems; constructive methods of promoting health of the individual and the community.

WB11	Tracy Zeeger	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH234 **Global Health Messages: Understanding Exposure & Impact**

Restriction: Must not be in the Community Health program.

Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.

WB11	Angshuman Kashyap	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

HLTH234H **Global Health Messages: Understanding Exposure & Impact**

(Perm req)

Restriction: Must not be in the Community Health program.

Using a global perspective, this course teaches students to be critical consumers of current and historical health communication interventions. It also provides students with the skills to develop media interventions that target specific and general populations. Students will discover the array of diverse media messages that influence the health and well-being of individuals and communities.

WB11	Angshuman Kashyap	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

HLTH264 **Tweets & Likes: Digital Health & Social Media**

Restriction: Must not be in the Community Health program.

Examines the current and potential use of digital health and social media to influence public health. Provides an overview of knowledge, skills and terminology necessary to optimize the effectiveness of these technologies to contribute to the enhancement of individual and community health.

WB11	Azieb Kidanu	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

HLTH366 **Behavioral and Community Issues in Public Health**

Prerequisite: HLTH130, HLTH230, PSYC100, SOCY100, SOCY105, or ANTH260. Restriction: Must be in Public Health Science program; or permission of SPHL-Behavioral & Community Health department. And must have earned a minimum of 45 credits. Additional information: This course will initially be restricted to Public Health Science (PHSC) majors, but could ultimately be opened to other majors, particularly those in HLTH.

The exploration of how social and behavioral science theories and public health concepts and methods can be applied to both the health-illness experience and community interventions.

WB11	Evelyn King-Marshall	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

HLTH377 **Human Sexuality**

The biological and developmental aspects of human sexuality; the psychological and emotional aspects of sexual behavior; sexual identity; the historical, cultural, social, linguistic, legal and moral forces affecting sexual issues; the importance of communication, disclosure and intimacy in interpersonal relationships; and research trends in the area of human sexuality.

WB11	Jenna Messman	Seats (Total: 200)
	Class time/details on ELMs	ONLINE

HLTH432 **Medical Terminology**

Credit only granted for: HLTH432 or HLTH498T. Formerly: HLTH498T.

Provides the framework for understanding medical language and terminology used by health care professionals. Students will gain an understanding of the rules of building and analyzing medical terms from word origins and will learn correct pronunciation, definitions, and spelling for all of the body systems, major pathological conditions, common disorders, prescribed medications, and more. Whether a student is interested in learning more about the medical field or they want to acquire practical knowledge for future personal use, this course provides the foundation for understanding the language of medicine.

WB11	Katherine Sharp	Seats (Total: 175)
	Class time/details on ELMs	ONLINE

HLTH471 **Women's Health**

Restriction: Must be in a program in the Harriet Tubman Department of Women, Gender, and Sexuality Studies; or must be in a major within SPHL-Behavioral & Community Health department. Cross-listed with: WGSS471. Credit only granted for: HLTH471, WMST471, or WGSS471.. Formerly: WMST471.

The women's health movement from the perspective of consumerism and feminism. The physician-patient relationship in the gynecological and other medical settings. The gynecological exam, gynecological problems, contraception, abortion, pregnancy, breast and cervical cancer and surgical procedures. Psychological aspects of gynecological concerns.

For the winter, restriction is not in effect. Students of all majors are eligible to register and take this course.

WB11	M Reynolds	Seats (Total: 60)
	Class time/details on ELMs	ONLINE

HLTH688 **Special Problems in Health Education**

I102	Cheryl Knott Contact instructor or department for details.	Seats (Total: 5)
I120	Bradley Boekeloo Contact instructor or department for details.	Seats (Total: 5)
I121	Sharon Desmond Contact instructor or department for details.	Seats (Total: 5)
I123	Mary Garza Contact instructor or department for details.	Seats (Total: 5)
I124	Elizabeth Aparicio Contact instructor or department for details.	Seats (Total: 5)
I126	Dina Borzekowski Contact instructor or department for details.	Seats (Total: 5)
I128	Barbara Curbow Contact instructor or department for details.	Seats (Total: 12)
I129	Donna Howard Contact instructor or department for details.	Seats (Total: 5)
I130	Craig Fryer Contact instructor or department for details.	Seats (Total: 5)
I131	James Butler Contact instructor or department for details.	Seats (Total: 5)
I132	Min Wang Contact instructor or department for details.	Seats (Total: 5)
I133	Kirsten Stoebenau Contact instructor or department for details.	Seats (Total: 5)
I134	Amelia Arria Contact instructor or department for details.	Seats (Total: 5)
I136	Dina Borzekowski Contact instructor or department for details.	Seats (Total: 5)

I160	Evelyn King-Marshall Contact instructor or department for details.	Seats (Total: 5)
I180	Kerry Green Contact instructor or department for details.	Seats (Total: 5)

HLTH778 **Practical Experience in Public Health**

Practical Experience seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the practical experience will depend upon the student's background and career goals.

Contact department for information to register for this course.

HLTH898 **Pre-Candidacy Research**

I102	Cheryl Knott Contact instructor or department for details.	Seats (Total: 5)
I120	Bradley Boekeloo Contact instructor or department for details.	Seats (Total: 5)
I121	Min Wang Contact instructor or department for details.	Seats (Total: 5)
I123	James Butler Contact instructor or department for details.	Seats (Total: 5)
I126	Dina Borzekowski Contact instructor or department for details.	Seats (Total: 5)
I127	Faika Zanjani Contact instructor or department for details.	Seats (Total: 5)
I128	Barbara Curbow Contact instructor or department for details.	Seats (Total: 5)
I129	Donna Howard Contact instructor or department for details.	Seats (Total: 5)
I130	Devlon Jackson Contact instructor or department for details.	Seats (Total: 5)
I132	Craig Fryer Contact instructor or department for details.	Seats (Total: 5)

I133	Kirsten Stoebenau Contact instructor or department for details.	Seats (Total: 5)
I134	Amelia Arria Contact instructor or department for details.	Seats (Total: 5)
I139	Cynthia Baur Contact instructor or department for details.	Seats (Total: 5)
I140	Elizabeth Aparicio Contact instructor or department for details.	Seats (Total: 5)
I160	Evelyn King-Marshall Contact instructor or department for details.	Seats (Total: 5)
I170	Kerry Green Contact instructor or department for details.	Seats (Total: 5)
I180	Robert Gold Contact instructor or department for details.	Seats (Total: 5)
I192	Alice Horowitz Contact instructor or department for details.	Seats (Total: 5)

HLTH899 **Doctoral Dissertation Research**

I121	Kenneth Beck Contact instructor or department for details.	Seats (Total: 5)
I128	Barbara Curbow Contact instructor or department for details.	Seats (Total: 5)
I139	Robert Feldman Contact instructor or department for details.	Seats (Total: 5)

INAG Institute of Applied Agriculture Winter 2025

INAG110 **Oral Communication**

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, THET285.

A study of how perception, self-concept, and verbal and nonverbal communications affect the communication process as it emerges in the workplace. The course provides skill training in speech writing, public speaking, group communication, interpersonal communication, listening, and responding.

WB11	Eric Dunning MTuWThF 9:00am - 12:30pm	Seats (Total: 15) ONLINE
WB12	Amy Fisher MTuWThF 9:00am - 12:30pm	Seats (Total: 15) ONLINE
WB13	George Kurtzweil MTuWThF 12:30pm - 4:00pm	Seats (Total: 15) ONLINE
WB14	David Gormong MTuWThF 12:30pm - 4:00pm	Seats (Total: 15) ONLINE

INAG199 **Special Problems**

WB11	Thomas Mazzone Class time/details on ELMs	Seats (Total: 1) ONLINE

INST Information Studies Winter 2025

INST210 **The Nuts & Bolts of Getting Hired**

Restriction: Must be in the Information Science program, Technology and Information Design program, or Social Data Science program. Credit only granted for: INST208C or INST210. Formerly: INST208C.

Have you thought about finding an internship, getting a job, or starting your career? Perhaps you're confused about how to begin. Welcome to The Nuts and Bolts of Getting Hired, where you'll learn the skills necessary to develop your professional tool kit and obtain the internship or job that can help you build the career you want. This course will help you prepare for the next step in your career by exploring the following topics: Identifying your career goals, mastering the skills of crafting a professional resume, effective interviewing, strategic networking, and professional communication.

WB11	John Galliano Class time/details on ELMs	Seats (Total: 30) ONLINE

INST462 **Introduction to Data Visualization**

Prerequisite: Minimum grade of C- in STAT100; minimum grade of a C- from one of the following (INST201, INST301, or BSOS233); minimum grade of C- in INST126 or GEOG276; a minimum grade of C- from one of the following (AASP101, ANTH210, ANTH260, ECON200, ECON201, GEOG202, GVPT170, PSYC100, SOCY100, or SOCY105); and a minimum grade of C- from BSOS233 or INST314. Restriction: Must be in Information Science or Social Data Science program.

Exploration of the theories, methods, and techniques of visualization of information, including the effects of human perception, the aesthetics of information design, the mechanics of visual display, and the semiotics of iconography.

WB11	Jennifer Golbeck	Seats (Total: 80)
	Class time/details on ELMs	ONLINE

INST633 **Analyzing Social Networks and Social Media**

Restriction: Permission of INFO-College of Information Studies. Credit only granted for: LBSC708L or INST633. Formerly: LBSC708L.

Introduces students to the science and social science of network analysis. Through real world examples, including analysis of their own social networks, students will develop skills for describing and understanding the patterns and usage of services like Facebook, Twitter, YouTube, and others. Students will read classic and cutting edge articles and books about these topics and discuss their applicability to this new social media. The class will culminate with a capstone project in which students will apply the analysis methods they have learned to understanding a particular question about social networks and social media.

WB11	Jennifer Golbeck	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

INST670 **Introduction to Javascript Programming**

Credit only granted for: INST728N and INST670. Formerly: INST728N.

Introduction to the fundamentals of Javascript programming. Basic components of all programming languages, including variables, types, data structures, and control flow, with a focus on leveraging Javascript libraries for more advanced functionality. No prior experience needed.

WB11	Celia Chen	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST671 **Introduction to Web Programming**

Credit only granted for: INST728W or INST671. Formerly: INST728W.

Introduction to the fundamentals of designing and programming web sites. HTML programming extended by work with Cascading Style Sheets. Programming skills are complemented with fundamentals of design and usability. No prior programming experience needed.

WB11	Jennifer Golbeck	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

INST673 **Hands On Machine Learning with Weka**

Recommended: It is recommended that students have some familiarity with programming prior to taking this course. Restriction: Permission of INFO-College of Information Studies.

Students will receive hands on experience with the open-source machine learning tool Weka. Topics covered will be classification, regression, basic algorithm types, how to get data into a format Weka can process, how to interpret results, and basic document classification. The class will meet online.

WB11	Jennifer Golbeck	Seats (Total: 25)	
	Class time/details on ELMs	ONLINE	

INST709 **Independent Study**

Intensive individual study, reading, or research in an area of specialized interest under faculty supervision. Registration limited to the advanced student with the approval of the advisor and of the faculty member involved.

0115	Jonathan Lazar	Seats (Total: 5)	
	Contact instructor or department for details.		

INST799 **Master's Thesis Research**
Contact department for information to register for this course.

JOUR Journalism Winter 2025

JOUR130 **Self-Presentation in the Age of YouTube**

Credit only granted for: COMM107, COMM200, ENES143, INAG110, JOUR130 or THET285.
Additional information: May not count toward the Journalism major.

Students, as they make use of evolving technologies, need to be able to present themselves effectively in front of any number of different audiences through any number of different outlets. Whether in an interview on radio, a guest presentation at a conference, in comments on a video blog, in commentary on TV, in the lead on a self-produced YouTube video, or as spokesperson in front of investors or management, professionals need strong oral communication skills. This class focuses on strengthening those skills through active individual and group presentations, as well as, through discussion of key techniques and group critique of presentation publicly available in the social media space on sites such as YouTube.

WB11	Amber Moore	Seats (Total: 25)	
	Class time/details on ELMs	ONLINE	

JOUR175 **Media Literacy**

Additional information: Not applicable toward journalism major.

An analysis of the information, values and underlying messages conveyed via television, newspapers, the internet, magazines, radio and film. Examines the accuracy of those messages and explores how media shape views of politics, culture and society.

WB11	Jodi Friedman	Seats (Total: 21)	
	Tu 5:00pm - 6:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion

JOUR199 **Survey Apprenticeship**

(Perm req)

College-monitored experience in approved mass-communications organizations and industries.

I101	Karen Denny	Seats (Total: 5)
	Contact instructor or department for details.	

JOUR282 **Beyond Facebook: How Social Media are Transforming Society, Culture, Business and Politics**

Credit only granted for: JOUR289F or JOUR282. Formerly: JOUR289F.

How has social media changed the world, and how has the world changed social media? This course explores how social media has influenced relationships, culture, industry, politics, and the information environment, as well as how significant global events and technological advancements have contributed to the evolution of social media. This course gives students a broad contextual understanding of social media that they may apply in their daily lives as well as future academic inquiry.

WB11	Denitsa Yotova	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

JOUR284 **Scandal: Exposing Corruption, Justice, and Vice in America**

Credit only granted for: JOUR289P, JOUR284 or HONR239J. Formerly: JOUR289P, HONR239J .

What are the ingredients of a juicy scandal? Money? Sex? Power? How are scandals uncovered? Why does society punish some scoundrels but not others? Come explore both serious and salacious scandals with a professor who's an expert in both--and who once exposed many scandals himself when he was an investigative reporter. This class examines scandals in politics, science, religion, social media, business, government, sports, and higher education; feeding frenzies, tabloid scandalmongering, undercover reporting, apologies, and cancel culture. Learn why even trivial scandals matter--and how scandals reflect what we value and ultimately who we are.

WB11	Ivy Lyons	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

JOUR698 **Special Problems in Communication**

(Perm req)

Independent study in area of the student's interest.

Contact department for information to register for this course.

JWST Jewish Studies Winter 2025

JWST285 **Jewish Languages in America**

Cross-listed with: HEBR298O. Credit only granted for: JWST285, JWST219O or HEBR298O. Formerly: JWST219O.

With a particular focus on language minority intra-group relationships -- the convergences, divergences, feelings of solidarity and tensions of difference within the group--this course will examine the history, current functional use and identity implications of Jewish languages in the United States.

Cross-listed with HEBR298O. Credit only granted for JWST290 or HEBR298O.

WB11	Avital Karpman	Seats (Total: 15)	
	Class time/details on ELMs	ONLINE	

KNES Kinesiology Winter 2025

KNES161N **Physical Education Activities: Coed; Conditioning (beginning)**

Students must pay a $40 instructional materials fee.

WB11	Emma Powell	Seats (Total: 50)	
	Class time/details on ELMs	ONLINE	Lab

KNES161T **Physical Education Activities: Coed; Yoga (Beginning)**

Students must pay a $40 instructional materials fee.

WB11	Kate Shin	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	Lab

KNES287 **Sport and American Society**

Recommended: Minimum grade of C- in KNES285.

Sport will be related to such social problems as delinquency, segregation, collective behavior, and leisure; to social processes such as socialization, stratification, mobility, and social control; and to those familiar social institutions the family, the school, the church, the military, the economy, the polity, and the mass media.

WB11	Ronald Mower	Seats (Total: 30)	
	Class time/details on ELMs	ONLINE	

KNES289 **Topical Investigations**

(Perm req)

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES334 **Adapted Physical Activity: Empowering People with Disabilities to Lead a Healthy and Active Lifestyle**

Prerequisite: KNES370; or students not in the Kinesiology major may contact the instructor for permission. Restriction: Must have earned a minimum of 75 credits.

Study of the field of adapted physical activity and its impact on the health and wellness of individuals with disabilities. Students will design an adapted physical activity program proposal and develop the skills needed to empower people with disabilities to participate in physical activity and sports programs. Students will explore their own perceptions towards disability and how people with disabilities are portrayed in our society. They will study the etiology of disabling conditions and the implications for participating in physical activity.

WB11	Ana Palla	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES350 **The Psychology of Sports & Exercise**

Restriction: Must have earned a minimum of 45 credits.

An exploration of personality factors, including but not limited to motivation, aggression and emotion, as they affect sports participation and motor skill performance.

Restricted to students with a minimum of 45 credit or greater.

WB11	J Carson Smith	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES354 **Sports Finance & Business Intelligence**

Prerequisite: At least 1 course from the Kinesiology core courses at the 300-level or higher completed with a grade of C- or higher. Restriction: Must have earned a minimum of 75 credits. Credit only granted for: KNES243 or KNES354. Formerly: KNES243.

As society has evolved with advances in technology, so have the financial and analytical fundamentals of spectator sports leagues. In this course, students will examine modern business principles in for-profit sports leagues, understand current practices for successful operation and revenue generation, and explore how analytics and emerging categories play a crucial role in an organization's growth and competitiveness in their respective markets. Through their foundational understanding and data analysis, students gain competency in identifying threats to revenue growth and explore emerging categories to offset those threats and further diversify the product offerings to enhance the viability of sports organizations.

WB11	Thomas Nagle	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES370 **Motor Development**

Restriction: Must be in a major within SPHL-Kinesiology department.

Motor development across the life span. The developmental sequences of motor skills from birth to old age; neuromaturation of neuromuscular system; analysis of the underlying mechanisms of motor skill development; and correlates of motor development.

WB11	Tim Kiemel	Seats (Total: 40)
	Class time/details on ELMs	ONLINE

KNES389 **Topical Investigations**

(Perm req)

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES389K **Topical Investigations; Kinesiology Internship**

(Perm req)

Independent study by an individual student or a group of students in special areas of knowledge not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES462 **Neural Basis of Human Movement**

Prerequisite: Minimum grade of C- in BSCI201, BSCI202, and KNES385; or permission of SPHL-Kinesiology department. Restriction: Must have earned a minimum of 75 credits.

An introduction to the neural substrates which underlie postural and volitional movement. Neuroanatomical and neurophysiological basis of motor functioning; past and present conceptualizations of motor control and coordination; movement disorders; and maturation of the neuromuscular system.

WB11	Rodolphe Gentili	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES487 **Women, Sports and Culture**

Prerequisite: Minimum grade of C- in KNES287. Restriction: Must be in a major within the SPHL-Kinesiology department; and must have earned a minimum of 75 credits.

A study of the historical barriers to women's participation in physical activity, efforts to dismantle those barriers, and the differentiation that exists in women's sport and physical culture today. Exploration of the historical and contemporary factors involving female athletes in U.S. culture.

Prerequisite: Minimum grade of C- in KNES287.

WB11	Lauren Nowosatka	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

KNES498 **Special Topics in Kinesiology**

(Perm req)

Topics of special interest in areas not covered by regularly scheduled courses.

Prerequisite: permission of department.

Contact department for information to register for this course.

KNES643 **Public Health & Physical Activity in the Classroom**

Recommended: KNES600. Restriction: Must be in the Master of Public Health program; or permission of the Kinesiology Department.

The purpose of the course is to engage students in developing curriculum that blends movement activity with courses such as math, science, social studies, literature, writing, art, and music to teach traditional classroom courses as an instrument of public health.

PLK1	Valerie Cholet	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	Must be in Physical Activity, Online (MPH). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

KNES689 **Special Problems in Kinesiology**

(Perm req)

Master or doctoral candidates who desire to pursue special research problems under the direction of their advisor may register for 1-6 hours of credit under this number.

Contact department for information to register for this course.

KNES799 **Master's Thesis Research**

(Perm req)

Contact department for information to register for this course.

KNES899 **Doctoral Dissertation Research**
Contact department for information to register for this course.

LACS Latin American and Caribbean Studies — Winter 2025

LACS269T **Special Topics in Study Abroad II; Technology and Society: Ecuador in Context**

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

LACS348Z **Special Topics in Latin American and Caribbean Studies; El Caribe Esta Cabron: Caribbean Artist Perspectives**

Topics to be announced when offered.

Contact department for information to register for this course.

LACS609 **Colloquium in Latin American and Caribbean Studies; Colloquium**

The colloquium is one of three core courses for the Graduate Certificate in Latin American and Caribbean Studies. Providing 3 credits over the course of multiple semesters (1-2 credits per semester), it ensures an ongoing intellectual community among students, faculty, and guest scholars. For group discussions, the Colloquium meets four times per semester. Additionally, students attend Latin American and Caribbean activities and events in order to discuss and theorize about the region and its diaspora from informed perspectives. Each semester's colloquium provides 1-2 credits toward the Graduate Certificate.

0101	Isabella Alcaniz	Seats (Total: 2)
	Contact instructor or department for details.	

LACS688 **Experiential Learning in Latin American and Caribbean Studies**

Offers an opportunity for practical experience of Latin American and Caribbean organizations, to supplement a methodological focus. Credits may be fulfilled with internships, an applied research assistantship, or any program outside the University that focuses on the experiences of Latin America, the Caribbean, and related diasporas. Examples of experiential learning may include internships at organizations such as the Pan American Health Organization, the World Bank, the Washington Office on Latin America (WOLA), or Casa de Maryland.

0101	Isabella Alcaniz	Seats (Total: 5)
	Contact instructor or department for details.	

LARC Landscape Architecture Winter 2025

LARC151 **Urban Agriculture: Designing and Assessing Edible Landscapes**

Students will examine the growing development of urban agriculture and edible landscapes. Urban agriculture has seen a recent growth and interest in cities across the globe. From Paris to New York, from Baltimore to Detroit, urban agriculture is an emerging land use to address a variety of needs. Redevelopment, food deserts, community engagement and environmental justice are just some of the issues and topics that are connected to the recent growth of urban agriculture. This course will take a critical examination of urban agriculture's contribution to the food system, its input and outputs in the urban landscape, and the planning and design of urban agriculture and edible landscapes.

WB11	Sherry Russell	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LARC162 **Environmental Justice: Same World, Different Built Environment**

Environmental Justice will be explored in the context of the built environment. What unequal public built environmental threats exist? How can these threats be prevented or eliminated? Public schools, public parks, access to clean water, air pollution, tree coverage are among the built environments examined in the course.

WB11	Dora Cortez, Byoung-Suk Kweon	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LARC421 **Computer-Aided Design and Drafting (CADD): Urban Construction**

Credit only granted for: LARC489O or LARC421. Formerly: LARC489O.

This Computer-Aided Design and Drafting (CADD) course applies computer drafting using AutoCAD. It focuses on providing the technical skills for students who are working in built environment professions. Drawing types may include (but not be limited to) site plan drawings, construction detailing, grading plans, site layout plans and sheet layout conventions.

WB11	Christopher Ellis	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

LARC453 **Introduction to GIS and Hydrologic Modeling**

Introduction to Geographic Information Systems (GIS) and their application to hydrologic modeling. Basic GIS skills are used to manipulate and analyze spatial data to populate NRCS TR-55 hydrologic model for use in sizing constructed wetlands, bio-retention cells, and minor flood zones. No prior knowledge of GIS or hydrologic modeling is required. Stormwater and erosion control permitting as well as basic design principles for Maryland Environmental Site Design standards are introduced.

WB11	Christopher Ellis	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

LARC499 **Independent Studies in Landscape Architecture; Independent Studies in Landscape Architecture**

Independent studies in landscape architecture including field, studio or library research under the direction of a faculty member.

Contact department for information to register for this course.

LARC699 **Independent Studies in Landscape and Architecture**

Individual Instruction course.

Contact department for information to register for this course.

LARC799 **Master's Thesis Research**

(Perm req)

Development of a terminal thesis on a problem in landscape architecture, designed to demonstrate comprehensive skills and knowledge achieved in the graduate program. The subject will be selected in consultation with an advisor and periodically reviewed with a committee headed by the advisor.

Contact department for information to register for this course.

LBSC Library Science Winter 2025

LBSC708X **Special Topics in Library and Information Science; Roles and Responses during Crises**

A special topics course with content determined by individual instructors. For questions about the content of the course contact the College of Information Studies.

By embracing a preparation lens, examine the roles and responses that information institutions can play before, during, and after crises (defined broadly). Engage in the processes of design, execution, reflection, iteration, and evaluation of the agile and dynamic structures needed to respond to crises. Acquire the knowledge, skills, and mindsets necessary to serve communities in times of crisis. Given that new crises are constantly emerging, this course will weave in tried-and-true examples of essential tasks that need to be executed before, during, and after crises; reflective exercises to measure readiness and gauge the effectiveness of approaches; assessments to evaluate the achievement of intended outcomes; and guidance for information institution staff and administrators that emphasizes comfort with ambivalence, uncertainty, and imperfection.

WB11	Mega Subramaniam	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

LGBT Lesbian Gay Bisexual Transgender Studies — Winter 2025

LGBT327 **Lesbian, Gay, Bisexual, and Transgender Film and Video**

Restriction: Junior standing or higher. Cross-listed with: ENGL359F. Credit only granted for: LGBT327 or ENGL359F.

Comparative analysis of forms, themes, and the politics of representation in film and video by and/or about LGBT people.

Additional Note: Cross-listed with ENGL359F. Credit granted for LGBT327 orENGL359F.

WB11	James Goodwin	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

MIEH Maryland Institute for Applied Environmental Health — Winter 2025

MIEH609 **Methods in Environmental Health**

(Perm req)

This research-based rotation in environmental health sciences will provide graduate students with the opportunity to work closely with faculty researchers in the Maryland Institute for Applied Environmental Health (MIAEH) within the School of Public Health. Our research covers multiple fields within the environmental health sciences (e.g. environmental epidemiology, exposure science, risk assessment, environmental microbiology, environmental microbiology, environmental microbial genomics, food toxicology, airborne infection transmission, environmental justice, and children's environmental health) that involve either laboratory-based research or non-laboratory based studies. Students will not only gain invaluable research experience and interpersonal skills but also contribute to MIAEH's ongoing environmental health research programs.

0101	Paul Turner	Seats (Total: 5)
	Contact instructor or department for details.	

0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Rachel Goldstein Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges Contact instructor or department for details.	Seats (Total: 5)

MIEH620 **Global Health Communication and Promotion**

Recommended: MIEH605. Credit only granted for: SPHL620 or SPHL698C. Formerly: SPHL698C.

Explores the critical components in developing, implementing and evaluating health/population promotion and communication interventions. Emphasis is on theory application to a variety of cultural settings. Formative and quantitative research methods will be utilized.

GH01	Muhiuddin Haider MW 5:00pm - 7:00pm Class time/details on ELMs	Seats (Total: 18) ONLINE ONLINE

MIEH778 **Practical Experience in Public Health**

(Perm req)

Practice experience and seminar providing an opportunity to apply previously acquired knowledge and skills in a health or allied health organization. Setting of the practice experience will depend upon the student's background and career goals.

0101	Rianna Murray Contact instructor or department for details.	Seats (Total: 10)

MIEH786 **Capstone Project in Public Health**

(Perm req)

Prerequisite: Permission of SPHL-Maryland Institute for Applied Environmental Health.

Capstone experience provding opportunity to apply knowledge and skills to a specific public health problem or issue. Completion of project relevant to public health under the direction of an advisor.

Contact department for information to register for this course.

MIEH788 **Critical Readings in Environmental Health**

(Perm req)

In-depth examination and critical discussion of the current literature relevant to environmental health.

Contact department for information to register for this course.

MIEH789 **Independent Study**

(Perm req)

Individual reading and/or research under a specific faculty member in the department.

Contact department for information to register for this course.

MIEH799 **Master's Thesis Research**
Contact department for information to register for this course.

MIEH898 **Pre-Candidacy Research**

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Rachel Goldstein Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges Contact instructor or department for details.	Seats (Total: 5)

MIEH899 **Doctoral Dissertation Research**

0101	Paul Turner Contact instructor or department for details.	Seats (Total: 5)
0102	Amir Sapkota Contact instructor or department for details.	Seats (Total: 5)
0103	Amy Sapkota Contact instructor or department for details.	Seats (Total: 5)
0104	Donald Milton Contact instructor or department for details.	Seats (Total: 5)
0105	Robin Puett Contact instructor or department for details.	Seats (Total: 5)
0106	Sacoby Wilson Contact instructor or department for details.	Seats (Total: 5)
0107	Rachel Goldstein Contact instructor or department for details.	Seats (Total: 5)
0108	Devon Payne-Sturges Contact instructor or department for details.	Seats (Total: 5)

MUED Music Education Winter 2025

MUED669 **Domain Project in Music Education I**

Application of musicological and/or ethnomusicological concepts within the context of PreK-12 music teaching and learning. Synthesis of knowledge and skills related to musicology, musicology, and/or ethnomusicology pedagogy, curriculum development, and social sciences research through the development and execution of a classroom-based domain project.

WB11	Stephanie Prichard Class time/details on ELMs	Seats (Total: 5) ONLINE

MUED679 **Domain Project in Music Education II**

Application of concepts from music theory within the context of PreK-12 music teaching and learning. Synthesis of knowledge and skills related to music theory pedagogy, curriculum development, and social sciences research through the development and execution of a classroom-based domain project.

WB11	Stephanie Prichard Class time/details on ELMs	Seats (Total: 5) ONLINE

MUED698L **Current Trends in Music Education; Teaching, Learning, and Music**

(Perm req)

A survey of current and emerging philosophies, methodologies and curricula in music education and their implementation. The influence of educational and social changes and the expanding musical scene upon the music programs for children of all ages and for teacher education.

WB11	Robin Giebelhausen	Seats (Total: 15)	
	Class time/details on ELMs	ONLINE	

MUSC School of Music Winter 2025

MUSC140 **Music Fundamentals I**

Restriction: Must not be in any of the following programs (Music (Professional Program); Music Education).

Introductory theory course. Notation, scales, intervals, triads, rhythm, form and basic aural skills.

WB11	Sean Klink	Seats (Total: 20)	
	TuWThF 10:00am - 12:00pm	ONLINE	
	Class time/details on ELMs	ONLINE	Discussion

MUSC204 **Popular Music in Black America**

Traces black popular music in the U.S. with a special focus on spirituals, ragtime, the blues, early jazz, R&B, Motown, funk, soul, and rap. Examines how these styles have been borrowed by the American music industry.

WB11	Nicole Steinberg	Seats (Total: 50)	
	Class time/details on ELMs	ONLINE	

MUSC205 **History of Popular Music, 1950-Present**

A historical survey of rock music (blues, rock, soul, metal, rap, etc.) from circa 1950 to the present, with emphasis on popular music as music and popular music as social history.

WB11	Nathaniel Harrell	Seats (Total: 55)	
	Class time/details on ELMs	ONLINE	

NACS Neuroscience & Cognitive Science Winter 2025

NACS898 **Pre-Candidacy Research**

0110	Jens Herberholz	Seats (Total: 1)	
	Contact instructor or department for details.		
0120	Melissa Caras	Seats (Total: 1)	
	Contact instructor or department for details.		

0122	Daniel Butts Contact instructor or department for details.	Seats (Total: 1)
0132	Donald Bolger Contact instructor or department for details.	Seats (Total: 1)
0134	Colenso Speer Contact instructor or department for details.	Seats (Total: 1)
0137	Ricardo Araneda Contact instructor or department for details.	Seats (Total: 1)
0138	Anna Li Contact instructor or department for details.	Seats (Total: 1)
0144	Juan Angueyra-Aristizabal Contact instructor or department for details.	Seats (Total: 1)
0145	Evan Hart Contact instructor or department for details.	Seats (Total: 1)
0146	Caroline Charpentier Contact instructor or department for details.	Seats (Total: 2)
0147	Michael Dougherty Contact instructor or department for details.	Seats (Total: 1)
0148	Tracy Riggins Contact instructor or department for details.	Seats (Total: 1)
0149	Samira Anderson Contact instructor or department for details.	Seats (Total: 1)
0150	Yasmeen Shah Contact instructor or department for details.	Seats (Total: 1)

NEUR Neuroscience Winter 2025

NEUR306 **Cellular and Molecular Neuroscience**

Prerequisite: 1 course with a minimum grade of C- from NEUR200, BSCI207 or BSCI330. Corequisite: Must have completed or be concurrently enrolled in PHYS132 or equivalent course. Cross-listed with: BSCI353. Credit only granted for: NEUR306 or BSCI353.

Students will gain an appreciation of neuroscience as the nexus of chemistry, physics, and biology. Additionally, they will gain an understanding of how: both individual and networks of neurons function as variable electrical circuits; our nervous systems transduce signals from the outside world and sets-off molecular cascades; the behavior of a neuron can be changed and or remain the same in response to changing variables. Techniques used to study the nervous system at a cellular and molecular level will be discussed.

WB11	Chan Lin	Seats (Total: 45)
	Class time/details on ELMs	ONLINE

NEUR479 **Advanced Research in Neuroscience**

Research and/or integrated reading in neuroscience under the direction and close supervision of a faculty member.

1033	Chan Lin	Seats (Total: 1)
	Contact instructor or department for details.	

NFSC Nutrition and Food Science Winter 2025

NFSC100 **Elements of Nutrition**

Credit only granted for: KNES264, KNES289F or NFSC100.

Fundamentals of human nutrition. Nutrient requirements related to changing individual and family needs.

WB11	Margaret Udahogora	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

NFSC386 **Experiential Learning**

Prerequisite: Permission of AGNR-Nutrition and Food Science department. Restriction: Junior standing or higher. Formerly: FDSC386 and NUTR386.

Contact department for information to register for this course.

NFSC498 **Selected Topics**

Selected current aspects of food.

Contact department for information to register for this course.

NFSC699 **Problems in Nutrition and Food Science**

Credit according to time scheduled and magnitude of problem. An experimental program on a topic other than the student's thesis problem will be conducted. Four credits shall be the maximum allowed toward an advanced degree.

Contact department for information to register for this course.

NFSC799 **Master's Thesis Research**

First and second semesters. Credit in proportion to work done and results accomplished. Investigation in some phases of foodservice administration which may form the basis of a thesis. results in the form of a thesis.

Contact department for information to register for this course.

NFSC899 **Doctoral Dissertation Research**

0106	Instructor: TBA	Seats (Total: 1)
	Contact instructor or department for details.	

PERS Persian Winter 2025

PERS298C **Special Topics in Persian Studies; Introduction to Persian for Communication**

Special topic to be announced when course is offered.

Covers speaking, listening, reading, writing skills and cultural knowledge at an introductory level for communication in Persian.

WB11	Bahareh Jaleh	Seats (Total: 10)
	Class time/details on ELMs	ONLINE
	This online section has both synchronous and asynchronous components. Meeting times will be agreed upon before the first day of class and posted on ELMS.	

PHIL Philosophy Winter 2025

PHIL100 **Introduction to Philosophy**

An introduction to the literature, problems, and methods of philosophy either through a study of some of the main figures in philosophic thought or through an examination of some of the central and recurring problems of philosophy.

WB11	Benjamin Fan	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHIL202 **Know Thyself: Wisdom Through Cognitive Science**

Credit only granted for: PHIL209N or PHIL202. Formerly: PHIL209N.

How do we improve our decision making? Cognitive science demonstrates that self-knowledge isn't as easy as we think, and that there are numerous biases and fallacies that impact our decision-making in ways that are hard for us to be aware of. In this course you will learn what some of these are and how they have been discovered, and you will explore potential strategies for avoiding these fallacies and for making wiser choices.

WB11	Michael McCourt	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHIL209T **It's About Time**

WB11	Shen Pan	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHIL245 **Political and Social Philosophy I**

A critical examination of such classical political theories as those of Plato, Hobbes, Locke, Rousseau, Mill, Marx, and such contemporary theories as those of Hayek, Rawls, and recent Marxist thinkers.

WB11	Zhaoqi Hu	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PHSC Public Health Science Winter 2025

PHSC450 **Addressing Social and Structural Inequities Through Public Health**

Prerequisite: Minimum grade of C- in MIEH300; and 1 course with a minimum grade of C- from either SPHL100 or PHSC300.

A focus on addressing social and structural inequities within race, gender, disability, and class through various perspectives in the field of public health. Students explore the causes, challenges, consequences, and extent these injustices have on health disparities from local, national, and global perspectives. Students view these inequities through the lens of the affected populations, and work interactively and collaboratively to interpret, design, and evaluate public health interventions and approaches to address key health disparities within specific communities. The aim of this course is to help students define appropriate research and address structural inequities with innovative approaches through the professional practice of public health.

WB11	Kendall Bustad	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PHYS Physics Winter 2025

PHYS499G **Special Problems in Physics; An Introduction to General Relativity for Undergraduates**

Research or special study. Credit according to work done.

This 1-credit course is aimed at third and fourth-year undergraduates with a strong background in physics and will provide a brief introduction to the topic of general relativity. The material will coverthe equivalence principle, general covariance, the space-time metric, coordinate transformations, the Einstein equation, and the Schwarzschild solution. As the course is only an introduction and aims to be generally accessible, it will focus mainly on the overall structure of the theory rather than the details of the underlying mathematical framework it is built upon.

0101	William DeRocco	Seats (Total: 10)
	MWF 11:00am - 12:40pm	PHY 1303

PHYS898 **Pre-Candidacy Research**

(Perm req)

Contact department for information to register for this course.

PHYS899 **Doctoral Dissertation Research**

0111	Charles Clark Contact instructor or department for details.	Seats (Total: 5)
0153	Michelle Girvan Contact instructor or department for details.	Seats (Total: 1)
0156	Howard Milchberg Contact instructor or department for details.	Seats (Total: 1)
0162	Christopher Monroe Contact instructor or department for details.	Seats (Total: 1)
0197	Victor Galitski Contact instructor or department for details.	Seats (Total: 1)

PLCY Public Policy Winter 2025

PLCY201 **Public Leaders and Active Citizens**

Credit only granted for: PLCY201 or PUAF201. Formerly: PUAF201.

Aims to inspire, teach and engage students in the theory and practice of public leadership from the local to the national to the global level. Students will learn and apply diverse approaches to leadership in a multicultural society while developing an understanding of key frameworks and practices necessary to foster collective action across private, public, and nonprofit sectors. This course will allow students to become informed citizens able to reason critically and persuasively about public matters Students will also explore and assess their own personal values, beliefs, and purpose as they develop their leadership potential.

WB11	Anne Kaiser MW 1:30pm - 4:00pm Class time/details on ELMs	Seats (Total: 25) ONLINE ONLINE

PLCY688J **Topics in Public Policy; Engaging and Exploring the Complexities of Global Philanthropy and Nonprofit Leadership Israel and Jordan**

Special topics in Public Policy.

Contact department for information to register for this course.

PLCY689T **Public Policy Topics; Improving Programs through Evaluation-Based Performance Monitoring and Management**

Special Topics in Public Policy.

Contact department for information to register for this course.

PLCY698W **Selected Topics in Public Affairs; Professional Gaming**

Special topics that arise in public policy.

This course covers gaming as a professional practice and prepares students to apply associated methodologies. The term gaming applied here addresses sponsored objectives and decision support rather than commercial and/or entertainment value familiar to most people. Many US Government programs regularly include gaming approaches (eg, table top exercises, wargames) as a method of addressing critical challenges, sorting through complex qualitative factors or driving collaboration across disparate groups. Interagency and international applications are becoming common place but require special attention to cultural and social factors. Students will learn to influence strategic decision making, course of action examination and critical thinking through gaming while providing empirical support for stakeholder priorities, policy development and complex interactions.

CA01	Scott Simpkins MWF 1:00pm - 6:45pm	Seats (Total: 10) ONLINE
	Restriction: Must be a student in one of the following: MPPA, EXPM, EMPM. Meeting time includes a 30-minute break.	
WB11	Scott Simpkins MWF 1:00pm - 6:45pm	Seats (Total: 15) ONLINE
	Meeting time includes a 30-minute break. Not open to students in MPPA, EXPM, EMPM.	

PLCY752 **Managing Differences:Resolving Conflict and Negotiating Agreements**

Restriction: Must be in a major in PLCY-School of Public Policy; or permission of PLCY-School of Public Policy. Credit only granted for: PLCY752 or PUAF752. Formerly: PUAF752.

Enhances the student's negotiation and leadership skills for managing differences between individuals and groups. Students study the nature of conflict, learn how to handle two and multiparty conflicts, exerting leadership where there are no hierarchy leaders, and explore the impact of facilitators and mediators on the negotiating process. Blends skill building exercises and theory discussions about the behavior of groups and individuals in groups to understand negotiation dynamics.

MP01	Mark Graham Class time/details on ELMs	Seats (Total: 10) ONLINE
	Must be a student in one of the following: MPPA, EXPM, EMPM. Class meets online 10am - 4:30pm with a 30-minute break on Jan 2, 8,10, 13, 15, 16 & 22.	
WB11	Mark Graham Class time/details on ELMs	Seats (Total: 15) ONLINE
	Must be a student in one of the following: MAPO, MAMG, BMPO, LMPO, POSI, BSWP. Class meets online 10am-4:30pm with a 30-min break on Jan 2, 8, 10, 13, 15, 16 & 22.	

PLCY798A **Readings in Public Policy**

Guided readings for discussions on public policy.

Contact department for information to register for this course.

PLCY898 **Pre-Candidacy Research**
Contact department for information to register for this course.

PSYC Psychology Winter 2025

The following courses may involve the use of animals. Students who are concerned about the use of animals in teaching have the responsibility to contact the instructor, prior to course enrollment, to determine whether animals are to be used in the course, whether class exercises involving animals are optional or required and what alternatives, if any, are available. The Department of Psychology enforces course prerequisites. Students who do not meet the course prerequisites will be administratively dropped from the course.

PSYC100 **Introduction to Psychology**

A basic introductory course intended to bring the student into contact with the major problems confronting psychology and the more important attempts at their solution.

WB11	Dirk Parham Class time/details on ELMs	Seats (Total: 50) ONLINE
WB12	Jacob Coutts Class time/details on ELMs	Seats (Total: 50) ONLINE

PSYC200 **Statistical Methods in Psychology**

Prerequisite: PSYC100; and 1 course with a minimum grade of C- from (STAT100, MATH107, MATH111, MATH120, MATH130, MATH136, or MATH140).

A basic introduction to quantitative methods used in psychological research.

WB11	Tracy Tomlinson W 10:00am - 12:00pm Class time/details on ELMs	Seats (Total: 60) ONLINE ONLINE

PSYC221 **Social Psychology**

Prerequisite: PSYC100.

The influence of social factors on the individual and on interpersonal behavior. Includes topics such as conformity, attitude change, personal perception, interpersonal attraction, and group behavior.

WB11	Dirk Parham Class time/details on ELMs	Seats (Total: 50) ONLINE

PSYC234 **Living the Good Life: The Psychology of Happiness**

Credit only granted for: PSYC234 or PSYC289D. Formerly: PSYC289D.

What are the secrets to living a happy life? Can happiness be found within the context of war, a depressed economy, violence and other major stressors? Are some people born happier than others? This course will teach you the scientific process that psychologists use to study happiness (and related emotional variables) and give you the opportunity to practice applying that process in a number of ways. You will learn how we (a) gather and critically evaluate research findings in the existing literature, (b) integrate those findings into coherent and testable theories, (c) design and conduct valid scientific research that tests those theories and extends our knowledge, and (d) effectively communicate our theories and findings to a wide range of audiences. The result of the process is a more accurate and objective understanding of happiness, and that is what prepares you to apply your scientific understanding to explain and influence a wide range of outcomes.

WB11	Abigail Nicolas	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PSYC237 **Psychology of Evil**

Credit only granted for: PSYC237 or PSYC289E. Formerly: PSYC289E.

Why is there evil in the world? Are some born evil, or do social, environmental and cultural forces create evil? What makes otherwise good people do evil things? The scientific study of evil epitomizes the fundamental challenge that psychology faces in dissecting the role of biology (nature) and the social context (nurture).

Visit go.umd.edu/evil for more information about the course.

WB11	Scott Roberts	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

PSYC330 **Child Psychopathology**

Prerequisite: PSYC100. Restriction: Must be in Psychology program or Social Data Science - Psychology Track. Credit only granted for: PSYC309B or PSYC330. Formerly: PSYC309B.

Etiology, diagnosis, prevention and treatment of emotional disorders of childhood and adolescence.

WB11	Nadia Bounoua	Seats (Total: 20)
	Class time/details on ELMs	ONLINE
	The course restriction above is not applicable in the Winter Session. All students who meet the Prerequisite course requirement are eligible to register.	

PSYC332 **Psychology of Human Sexuality**

Prerequisite: PSYC100.

A survey of historical and contemporary psychological views on a wide variety of sexual behaviors; theory and research bearing on the relationship between life span psychological development, psychological functioning, interpersonal processes and sexual behaviors; political and social issues involved in current sexual norms and practices.

WB11	Stephanie Yee	Seats (Total: 25)
	TuTh 10:00am - 12:00pm	ONLINE
	Class time/details on ELMs	ONLINE

PSYC334 **Psychology of Interpersonal Relationships**

Prerequisite: PSYC100.

Research, theory and their practical applications pertaining to the development, maintenance and dissolution of human relationships. Processes critical to successful relating (e.g., communication, bargaining, conflict resolution), and issues associated with troubled dyadic relations with equal partners (e.g., jealousy, spouse abuse, divorce).

WB11	Maria Wydra	Seats (Total: 35)
	Class time/details on ELMs	ONLINE

PSYC344 **Health Psychology**

Prerequisite: PSYC100; or permission of instructor. Restriction: Must be in the Psychology program; or must be in a major within the School of Public Health; or permission of instructor. Credit only granted for: PSYC489U or PSYC344. Formerly: PSYC489U.

An examination of how psychological, biological, and social factors impact physical health and well-being. Students will use the biopsychosocial model to analyze topics including stress, health disparities, pain, addiction, disease states (e.g., cardiovascular disease, diabetes, cancer), and primary prevention.

WB11	Joseph Barnet	Seats (Total: 35)
	Class time/details on ELMs	ONLINE
	The course restriction above is not applicable in the Winter Session. All students who meet the Prerequisite course requirement are eligible to register.	

PSYC404 **Introduction to Behavioral Pharmacology**

Prerequisite: PSYC202 or NEUR200. Restriction: Must be in Psychology program.

Theoretical viewpoints on the interaction of drugs and behavior. Basic principles of pharmacology, the effects of drugs on various behaviors, experimental analysis of drug dependence and abuse, and neuropharmacology and behavior.

WB11	Ana Navarro Cebrian	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	The course restriction above is not applicable in the Winter Session. All students who meet the Prerequisite course requirement are eligible to register.	

PSYC425 **Psychology and Law**

Prerequisite: PSYC100, PSYC200, and PSYC300. Restriction: Must be in Psychology program or Social Data Science - Psychology Track. Credit only granted for: PSYC325 or PSYC425.

An introduction to the intersection of psychology and the criminal justice system, known as the field of legal psychology. The material covered will span the course of the criminal justice process and examine each aspect from a psychological perspective beginning with profiling and moving on to eyewitness memory and judgements through perpetrator memories and interrogation techniques. These aspects will be evaluated with a research lens as well as an applied outlook.

WB11	Tracy Tomlinson	Seats (Total: 30)
	Class time/details on ELMs	ONLINE
	The course restriction above is not applicable in the Winter Session. All students who meet the Prerequisite course requirement are eligible to register.	

PSYC432 **Counseling Psychology: Theories, Research, and Practice**

Prerequisite: PSYC200.

Analysis of research and intervention strategies developed and used by counseling psychologists. Historical and current trends in content and methodology.

WB11	Monica Cushnie	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PSYC437 **The Assessment and Treatment of Addictive Behaviors**

Prerequisite: PSYC100; and 9 credits in PSYC courses.

Explores the current research in assessment and treatment of addictive behaviors. Topics may include addictions in the areas of alcohol, drugs, nicotine, gambling, and eating.

WB11	Christopher Seitz-Brown	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

PSYC624 **Adult Psychopathology**

Restriction: Permission of instructor; and must be in one of the following programs (Psychology (Master's); Psychology (Doctoral)). Credit only granted for: PSYC624 or PSYC719. Formerly: PSYC719.

Examines the scientific and clinical literature relevant to normal and pathological behavior in adults and associated nosological systems for categorizing psychopathology. Issues relevant to etiology, differential diagnosis, and treatment planning are also considered.

PCC1	Susanna Crowell McQuarrie	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	Tu 6:00pm - 9:45pm	BPS 1140B
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC625 **Clinical Assessment: Psychometric Principles, Testing and Behavior**

Restriction: Permission of BSOS-Psychology department. Credit only granted for: PSYC625 or PSYC721. Formerly: PSYC721.

An examination of fundamental principles of psychological assessment; application of these principles to the development of evidence-based assessments of clinical conditions and associated behaviors; and application of evidence-based assessments to the evaluation and understanding of clinical conditions evaluated and treated in therapeutic settings.

PCC1	Christina Danko	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	Th 6:00pm - 9:45pm	BPS 1140B
	Must be in Clinical Psychological Science (MPS). Golden ID students are not eligible for this section.	

PSYC638 **Externship in Professional Psychology**

Approved appointment as an extern in a mental health setting.

0101	Derek Iwamoto	Seats (Total: 15)
	Contact instructor or department for details.	

PSYC652 **Analytical Thinking: Statistical Methods at Work**

Additional information: Students will be taught how to conduct analyses in R, SPSS, SAS, Stata, and excel; students are encouraged to practice analyses on at least two of these programs.

Personal and organizational growth begins with asking and answering great questions. Correspondingly, this course begins with demonstrations of how to translate business questions into research questions. Statistical methods used to answer business questions are taught first conceptually, then computationally using statistical software. This course emphasizes interpreting results, the regression model, and other issues salient to business research, such as handling large datasets. Students will be provided with a simulated dataset that they will use in learning how to frame and answer business questions using the techniques covered in this course. At the conclusion of this course, students will be required to provide an executive-level presentation on the business question, their findings, and resulting implications.

PCI1	Jadvir Gill	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	M 5:00pm - 8:00pm Class time/details on ELMs	BPS 1140B ONLINE
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PSYC655 **Talent Development**

Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

In this course, students will learn how to design and implement effective employee training programs as well as how to encourage informal learning in organizations. This course will review current theories in adult learning (e.g., ADDIE model, action learning, peer feedback/coaching), several popular assessment tools (e.g., MBTI), and best practices for evaluating training programs. Issues relevant to leadership identification and development, including succession planning, will also be covered. As part of this course, students will work in teams to design and deliver a brief training module and practice giving and receiving feedback. Additionally, students will complete, and facilitate a debriefing on, a 360-degree feedback assessment.

PCI1	David Shar	Seats (Total: 40)
	Meets November 25, 2024 - February 19, 2025	
	M 5:00pm - 8:30pm Class time/details on ELMs	BPS 1140B ONLINE
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PSYC656 **Business Fundamentals and Legal Issues facing Organizations**

Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

This course provides an overview of the fundamentals of business, including both issues of finance and legal issues faced by organizations. Topics will include finance, accounting, and marketing. Students will learn core business concepts, about how each major business function enables organizations to run, and how to talk to and understand the leaders of organization. Additionally, this course will provide an overview of common legal challenges organizations face. In addition to introducing students to employment law, this course will review professional ethics standards for IO psychology. This course will use case study methodology to hone students' understanding of the ethical and legal issues faced in day-to-day organizational life.

PWI1	Vineet Gambhir	Seats (Total: 35)
	Meets November 25, 2024 - February 19, 2025	
	M 5:00pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PSYC657 **Managing Strategic Organizational Change**

Restriction: Must be in the Master of Professional Studies in Industrial/Organizational Psychology Program.

In this course, students will learn to think about organizations as systems and will explore catalysts of organizational change. Issues of strategy, market pressure, competition, workforce planning, and stakeholder buy-in will be discussed. Finally, students will learn about methods for planning, leveraging, and managing organizational change. Case study methodology will be used to deepen learning on the challenges faced during organizational change and how to guide organizations through change, planned or not.

PWI1	David Shar	Seats (Total: 35)
	Meets November 25, 2024 - February 19, 2025	
	M 5:00pm - 8:30pm	ONLINE
	Class time/details on ELMs	ONLINE
	Must be in the Industrial/Organizational Psychology (MPS). All other graduate students must request permission. Contact exst@umd.edu. Golden ID students are not eligible for this section.	

PSYC799 **Master's Thesis Research**
Contact department for information to register for this course.

PSYC899 **Doctoral Dissertation Research**

0101	Edward Bernat	Seats (Total: 5)
	Contact instructor or department for details.	
0102	Jack Blanchard	Seats (Total: 5)
	Contact instructor or department for details.	
0103	Andrea Chronis-Tuscano	Seats (Total: 5)
	Contact instructor or department for details.	
0104	Andres De Los Reyes	Seats (Total: 5)
	Contact instructor or department for details.	

0105	Lea Dougherty Contact instructor or department for details.	Seats (Total: 5)
0106	Jessica Magidson Contact instructor or department for details.	Seats (Total: 5)
0107	Alexander Shackman Contact instructor or department for details.	Seats (Total: 5)
0121	Anna Li Contact instructor or department for details.	Seats (Total: 5)
0122	Alec Solway Contact instructor or department for details.	Seats (Total: 5)
0123	Michael Dougherty Contact instructor or department for details.	Seats (Total: 5)
0125	Jens Herberholz Contact instructor or department for details.	Seats (Total: 5)
0126	Luiz Pessoa Contact instructor or department for details.	Seats (Total: 5)
0127	Matthew Roesch Contact instructor or department for details.	Seats (Total: 5)
0128	Robert Slevc Contact instructor or department for details.	Seats (Total: 5)
0131	Clara Hill Contact instructor or department for details.	Seats (Total: 5)
0132	Derek Iwamoto Contact instructor or department for details.	Seats (Total: 5)
0133	Jonathan Mohr Contact instructor or department for details.	Seats (Total: 5)
0134	Karen O'Brien Contact instructor or department for details.	Seats (Total: 5)
0142	Jude Cassidy Contact instructor or department for details.	Seats (Total: 5)

0143	Elizabeth Redcay Contact instructor or department for details.	Seats (Total: 5)
0144	Tracy Riggins Contact instructor or department for details.	Seats (Total: 5)
0145	Arianna Gard Contact instructor or department for details.	Seats (Total: 5)
0146	Fanita Tyrell Contact instructor or department for details.	Seats (Total: 5)
0151	Michele Gelfand Contact instructor or department for details.	Seats (Total: 5)
0152	James Grand Contact instructor or department for details.	Seats (Total: 5)
0153	Paul Hanges Contact instructor or department for details.	Seats (Total: 5)
0154	A Kruglanski Contact instructor or department for details.	Seats (Total: 5)
0155	Edward Lemay Contact instructor or department for details.	Seats (Total: 5)
0158	Jennifer Wessel Contact instructor or department for details.	Seats (Total: 5)
0159	Linda Zou Contact instructor or department for details.	Seats (Total: 5)

RDEV Real Estate Development Winter 2025

RDEV689C **Current Topics in Real Estate Development; Havana's Art & Culture: The Intersection of Architecutre, Planning, Preservation and Economics**

Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.

Cross-listed with ARCH478D, ARCH678D, HISP619C, URSP399I, and URSP688R. Credit only granted for ARCH478D, ARCH678D, HISP619C, RDEV689C, URSP399I, or URSP688R. This course will explore art and culture in Havana, Cuba as the intersection of architecture, planning, preservation, and economics, including real estate development. Havana is one of the oldest cities in the hemisphere, having just celebrated its 500th anniversary. The course will provide the opportunity for the students to intensely interact (virtually, from Havana) with Cuban experts in each discipline. Students will first learn about the rich and complex contextual past and present framework for how these four disciplines interact and are manifested in the arts, culture, and society. Group projects will apply the learning to specific neighborhoods in Havana. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide opportunities for virtual, project-based, and international collaboration.

Contact department for information to register for this course.

RDEV689Y **Current Topics in Real Estate Development; Guided Real Estate Development Project**

Explores a focused aspect in any of the five major phases of real estate development: planning, finance, law, design, construction, or management.

WB11	Maria Day-Marshall, Georgeanne Matthews	Seats (Total: 10)
	Class time/details on ELMs	ONLINE

SOCY Sociology Winter 2025

SOCY100 **Introduction to Sociology**

Introduces fundamental concepts and theories of sociology. Guided by C. Wright Mills' "sociological imagination," the course promotes critical thinking; challenges conventional assumptions about culture politics, history, and psychology; and equips students with theoretical approaches and research methods to analyze various sociological topics, including family, work, education, religion, social movements, and issues related to class, gender, race, and ethnic inequalities.

WB11	Christopher Malackany	Seats (Total: 28)
	Class time/details on ELMs	ONLINE

SOCY105 **Understanding Contemporary Social Problems - Frameworks for Critical Thinking and Strategies for Solutions**

Embark on an exploration of contemporary social issues and unravel the intricate ways in which these challenges are woven into the fabric of society. Develop a comprehensive understanding of societal organization and partake in a detailed study of selected social problems, with a specific emphasis on issues like social conflict and inequality. This course provides an insightful journey into the nuanced interplay between societal structure and prevalent challenges, fostering a heightened awareness of the dynamics shaping our social landscape.

WB11	Brian Connor	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

SOCY241 **Inequality in American Society**

Credit only granted for: SOCY241 or SOCY441.

A broad-based overview of inequality in contemporary U.S. society, focusing on measuring patterns and trends over time. A series of learning modules familiarizes students with how inequality unfolds in relation to social stratification processes along the lines of race, gender, education and social class, income and wealth, and health.

WB11	Simone Durham	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

SOCY325 **The Sociology of Gender**

Prerequisite: 3 credits in SOCY courses. Cross-listed with: WGSS325. Credit only granted for: SOCY325, WMST325 or WGSS325. Formerly: WMST325.

Institutional bases of gender roles and gender inequality, cultural perspectives on gender, gender socialization, feminism, and gender-role change. Emphasis on contemporary American society.

WB11	Asiah Gayfield	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

SOCY399 **Independent Study in Sociology**

(Perm req)

Integrated reading or research under the direction and supervision of a faculty member. A maximum of 6 credits may be earned by a student for the same field experience in SOCY386 and SOCY399 combined.

Contact department for information to register for this course.

SOCY424 **Sociology of Race Relations**

Prerequisite: 6 credits in SOCY courses; or permission of the Sociology department. Cross-listed with: AAST424. Credit only granted for: SOCY424 or AAST424.

Encourages sociological thinking about US racial and ethnic minority populations, with a focus on African Americans, Latinos, Asian Americans, and Native Americans. The central concern is to understand and explain racial/ethnic inequality. A wide array of topics are discussed, including prejudice and discrimination, slavery, residential segregation, cultural inequality, skin tone stratification, economic and educational disparities, and assimilation/generational processes.

WB11	Angelica Loblack	Seats (Total: 20)
	Class time/details on ELMs	ONLINE

SOCY498V **Selected Topics in Sociology; Sociology of Sport and Film**

Topics of special interest to advanced undergraduates in sociology. Such courses will be offered in response to student request and faculty interest.

WB11	Katelyn Foltz	Seats (Total: 30)
	Class time/details on ELMs	ONLINE

SPAN Spanish Winter 2025

SPAN103 **Elementary Spanish for Intercultural Communication I**

Prerequisite: Must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register. Credit only granted for: SPAN102 or SPAN103.

Develops students' communicative competence at the novice mid/high level of proficiency. Introduces students to global Hispanophone cultures.

WB11	Keven Garcia	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
	This online section contains a synchronous component. Meeting times will be agreed upon before the first day of class. Class details on ELMS.	

SPAN169X **Special Topics in Study Abroad I; Elementary Spanish I**

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

SPAN203 **Elementary Spanish for Intercultural Communication II**

Prerequisite: SPAN103; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register.

Continues to develop students' communicative competence at the novice high/intermediate low level of proficiency. Furthers the introduction to global Hispanophone cultures.

WB11	Ramiro Caces Barbosa	Seats (Total: 18)
	Class time/details on ELMs	ONLINE
	This online section contains a synchronous component. Meeting times will be agreed upon before the first day of class. Class details on ELMS.	
WB12	Gianinna Malatesta	Seats (Total: 18)
	Class time/details on ELMs	ONLINE
	This online section contains a synchronous component. Meeting times will be agreed upon before the first day of class. Class details on ELMS.	

SPAN204 **Intermediate Spanish for Intercultural Communication**

Prerequisite: SPAN203; or must have appropriate World Language Placement (WLP) score. Restriction: Must not be a native/fluent speaker of Spanish. Native/fluent speakers of Spanish or students who have previously attended school in Spanish speaking countries should take the WLP and see the Spanish Undergraduate Advisor to identify the correct Spanish course for which to register.

Further develops students' communicative competence at the intermediate mid/high level of proficiency. Fosters expanded knowledge of and appreciation for global Hispanophone cultures.

WB11	Jorge Bayas	Seats (Total: 15)
	Class time/details on ELMs	ONLINE
	This online section contains a synchronous component. Meeting times wil be agreed upon before the first day of class. Class details on ELMS.	

SPAN225 **Cultures of the Contact Zones - Seville, Al-Andalus and the Atlantic World**

Cross-listed with: HONR248E. Credit only granted for: HONR248E or SPAN225.

Content is broad enough to deal with issues of multiculturalism in Spain but also specific enough to center on the city of Seville and the Andalusion region.

Contact department for information to register for this course.

SPAN399C **Independent Study in Spanish; Spanish Culture in the Convivencia Period**

Specific readings in literature or a translation project under the supervision of a faculty member of the department.

Contact department for information to register for this course.

SPAN402 **Advanced Composition II**

Prerequisite: SPAN401; or permission of ARHU-School of Languages, Literatures, and Cultures department.

Compositions and essays with emphasis on stylistics, idiomatic and syntactic structures. Organization and writing of research papers.

Contact department for information to register for this course.

SPHL Public Health Winter 2025

SPHL405 **Mother Africa: Exploring Our History and Relationship with Nature in the Cradle of Humankind**

Restriction: Must be a student accepted into the study abroad program.

Africa is often monikered as the "cradle of humankind", the birthplace of our species. Archaeological excavations discovered the remains of humans living in Kenya between 1.2 million and 490,000 years ago. These discoveries, as well as countless others throughout the continent, revealed the undeniable connection between humans and the natural world. While this connection has evolved physically, mentally and socially over the millennia, in the "Old World" or the "New World", with colonial exploitation or biophilic celebration, the need for a bond between our species and nature has never changed or ceased. This study abroad course will examine the relationship between humans and Mother/Father Nature from the heart of Kenya, historically and in the present day. From a social consciousness and public health lens, we will explore the restorative impacts of nature in the midst of mental duress and periods of atrocity.

Contact department for information to register for this course.

SPHL406 **Stigma to Strength: Exploring the Roots of Resilience, Mental Health, and Social Drivers of Health in Kenya**

Restriction: only students enrolled in SPHL Kenya study abroad program .

This study abroad course immerses students in the vibrant cultural landscape of Kenya to explore mental health stigma, the concept of resilience, and the pivotal role communities play in shaping sustainable and equitable futures. Through hands-on learning and engagement with local communities, students will discover how to integrate behavioral health, academic research, and social impact initiatives to address mental health challenges. The course will explore common social drivers of mental health. It will also look at the role that public health systems and community-level interventions can play in strengthening individual and collective resiliency, reducing stigma, and furthering health and well-being.

Contact department for information to register for this course.

SPHL606 **Stigma to Strength: Exploring the Roots of Resilience, Mental Health, and Social Drivers of Health in Kenya**

Restriction: Must be a graduate student enrolled in the SPHL Kenya study abroad prorgam.

This study abroad course immerses students in the vibrant cultural landscape of Kenya to explore mental health stigma, the concept of resilience, and the pivotal role communities play in shaping sustainable and equitable futures. Through hands-on learning and engagement with local communities, students will discover how to integrate behavioral health, academic research, and social impact initiatives to address mental health challenges. The course will explore common social drivers of mental health. It will also look at the role that public health systems and community-level interventions can play in strengthening individual and collective resiliency, reducing stigma, and furthering health and well-being.

Contact department for information to register for this course.

SPHL709 **Reading Public Health Emergencies Through Information and Communication Research and Policy**

This course is an introduction for graduate students in any discipline to key theories, models, and findings on public health emergency public information and communication issues with a special focus on pandemics. The UMD faculty working on the Grand Challenge Pandemic Readiness Initiative (PRI) will provide readings and lead discussions to help students build foundational knowledge on information and communication issues for future coursework and research on public health emergencies.

This course is an introduction for graduate students in any discipline to key theories, models, and findings on public health emergency public information and communication issues with a special focus on pandemics. The UMD faculty working on the Grand Challenge Pandemic Readiness Initiative (PRI) will provide readings and lead discussions to help students build foundational knowledge on information and communication issues for future coursework and research on public health emergencies. No prerequisites, open to all majors.

WB11	Cynthia Baur	Seats (Total: 20)
	TuTh 10:00am - 12:00pm	ONLINE
	F 10:00am - 11:00am	ONLINE

STAT Statistics and Probability Winter 2025

STAT689 **Research Interactions in Statistics**

The students participate in a vertically integrated (undergraduate, graduate and/or postdoctoral, faculty) research group. Format varies, but includes regular meetings, readings and presentations of material. See graduate program's online syllabus or contact the graduate program director for more information.

0101	Paul Smith	Seats (Total: 10)
	Contact instructor or department for details.	

STAT899 **Doctoral Dissertation Research**

(Perm req)

Contact department for information to register for this course.

TDPS Theatre, Dance and Performance Studies Winter 2025

TDPS789 **Professional Development in Dance and Theatre**

This course will introduce graduate students to the academic job market, competitive fellowships, and ALT-AC (alternative academic) careers. Topics will include the interdisciplinary job market, cover letters, cv's, teaching and research statements, the teaching/artist portfolio, the diversity statement, interfolio, letters of recommendation, writing samples, websites, interviewing, and careers beyond academia.

WB11	Maura Keefe	Seats (Total: 12)
	TuWTh 10:00am - 12:00pm	ONLINE

THET Theatre Winter 2025

THET285 **The Art of Communication and Presentation**

Credit only granted for: COMM107, COMM200, INAG110, JOUR130, or THET285.

An introduction to the fundamental practice and theory of public speaking and oral communication using theatrical techniques of both performance and the craft of storytelling.

WB11	Melissa Sturges MTuWThF 9:00am - 12:00pm	Seats (Total: 15) ONLINE

THET669C **Independent Study; Embodiment and Performance Technologies II**

0101	Samuel Crawford MTuWTh 12:30pm - 4:30pm	Seats (Total: 10) PAC 1908

THET669Y **Independent Study; The Wearable Art Design**

(Perm req)

0101	Helen Huang Contact instructor or department for details.	Seats (Total: 5)

THET788 **Design for Live Performance Tutorial**

(Perm req)

Collaboration with a faculty member on joint creative and artistic projects. A tutorial that assists students in developing a professional design portfolio, monitors practical production efforts and addresses practical production skills that may not be offered in traditional design studios.

0101	Misha Kachman Contact instructor or department for details.	Seats (Total: 10)
0102	Amith Chandrashaker Contact instructor or department for details.	Seats (Total: 3)
0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 3)

THET789 **Theatre Design Process and Production**

(Perm req)

The class encompasses various areas of pedagogical interactions between MFAD students and their mentors which include, but are not limited to: design advising and supervision for mainstage design assignments and professional projects outside the School, production process supervision (shop walkthroughs, fittings, technical rehearsals, note sessions), mandatory design critiques, assisting faculty members on outside professional projects etc.

0101	Instructor: TBA Contact instructor or department for details.	Seats (Total: 1)
0102	Instructor: TBA Contact instructor or department for details.	Seats (Total: 3)

0103	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)
0104	Instructor: TBA Contact instructor or department for details.	Seats (Total: 5)

THET799 **Master's Thesis Research and Preparation**

(Perm req)

Research and preparation of the MA or MFA thesis. MA/MFA students must be registered for this class during the semester in which they defend their thesis.

Contact department for information to register for this course.

THET888 **Doctoral Practicum in Theatre**

(Perm req)

Critical analysis of a phase of a professional field of theatre. Analysis of professional activity through personal observation. Evaluation of the purpose, process, effectiveness, and efficiency of professional activity. Recommendations for training and further research.

Contact department for information to register for this course.

TLPL Teaching and Learning, Policy and Leadership — Winter 2025

TLPL444 **Teaching and Understanding English Grammar with Multilingual Learners**

Credit only granted for: EDCI437 or TLPL444. Formerly: EDCI437.

Students will analyze the major grammatical structures of American English and the role of teaching grammar and developing effective classroom methods and techniques for multilingual learners. To do so, students will be exposed to diverse theories, approaches, methods, and practical techniques of grammar instruction in order to assist multilingual learners (also known as English Language Learners, English Learners) K-12 classrooms.

WB11	Kellie Rolstad Class time/details on ELMs	Seats (Total: 25) ONLINE

TLPL666 **English Grammar for Teachers of English to Speakers of Other Languages**

Restriction: Permission of EDUC-Teaching and Learning, Policy and Leadership department. Credit only granted for: EDCI635 or TLPL666. Formerly: EDCI635.

English grammar and methods of teaching grammar for graduate, prospective and current teachers of English to speakers of other languages. Analysis of the major grammatical structures of American English. Discussion of the role of teaching grammar, and effective classroom methods and techniques for the English as a second/foreign language classroom.

WB11	Kellie Rolstad	Seats (Total: 5)
	Class time/details on ELMs	ONLINE

TLPL798 **Special Problems in Education**

Exploration of current problems in teaching, learning, policy and leadership. Available only to master's or doctoral candidates under the direction of their advisors.

Contact department for information to register for this course.

TLPL888 **Apprenticeship in Education**

Apprentice practice under professional supervision in an area of competence compatible with the student's professional goals. Credit not to be granted for experience accrued prior to registration. Open only to degree- and certificate-seeking graduate students.

Contact department for information to register for this course.

TLPL889 **Internship in Education**

Internship experiences at a professional level of competence in a particular role with appropriate supervision. Credit not to be granted for experience accrued prior to registration. Open only to students advanced to candidacy for doctoral degree.

I114	Campbell Scribner	Seats (Total: 5)
	Contact instructor or department for details.	
I119	Lawrence Clark	Seats (Total: 5)
	Contact instructor or department for details.	
I121	Anita Sanyal	Seats (Total: 5)
	Contact instructor or department for details.	
I122	Rossina Liu	Seats (Total: 5)
	Contact instructor or department for details.	
I127	Sophia Rodriguez	Seats (Total: 5)
	Contact instructor or department for details.	

TLPL898 **Pre-Candidacy Research**

0105	David Weintrop	Seats (Total: 5)
	Contact instructor or department for details.	
0106	Daniel Levin	Seats (Total: 5)
	Contact instructor or department for details.	
0107	James McGinnis	Seats (Total: 5)
	Contact instructor or department for details.	

0108	Margaret Walker Contact instructor or department for details.	Seats (Total: 5)
0109	Claudia Galindo Contact instructor or department for details.	Seats (Total: 5)
0111	Janet Walkoe Contact instructor or department for details.	Seats (Total: 5)
0112	Andrew Brantlinger Contact instructor or department for details.	Seats (Total: 5)
0113	Daniel Chazan Contact instructor or department for details.	Seats (Total: 5)
I104	Campbell Scribner Contact instructor or department for details.	Seats (Total: 5)
I109	Claudia Galindo Contact instructor or department for details.	Seats (Total: 5)
I121	Anita Sanyal Contact instructor or department for details.	Seats (Total: 5)
I122	Rossina Liu Contact instructor or department for details.	Seats (Total: 5)
I126	Megan Peercy Contact instructor or department for details.	Seats (Total: 5)
I127	Sophia Rodriguez Contact instructor or department for details.	Seats (Total: 5)

UNIV University Courses Winter 2025

UNIV099 **Internship Seminar**

(Perm req)

Complements students' supervised work experiences. Open to all majors; all class levels. Involves exploring career options, developing professional work skills, examining the relationship between internship and academic coursework. Course may be repeated.

Restriction: Must have earned a minimum cumulative GPA of 2.0 (undergraduates) or 3.0 (graduate students); and Permission of the Career Center; and permission of instructor.

I101	Erica Ely, Jeffrey Quinteros Ceron	Seats (Total: 10)
	Contact instructor or department for details.	

UNIV362 **Designing Your Life after College**

Restriction: Must have earned a minimum of 60 credits.

Helps students anticipate and prepare for changes in finances, social life, health, and career dynamics they are likely to experience as they transition from college to working full-time. It focuses on understanding what resources students have as they enter the workforce as critical for navigating post-graduation changes successfully. It offers an overview of financial, risk management and professional development approaches to increase students' confidence regarding post-graduation decisions; in addition, it develops their creative problem solving and reflection skills to help them align the outcomes of their decisions with their values.

WB11	Victoria Shay	Seats (Total: 25)
	Class time/details on ELMs	ONLINE

URSP Urban Studies and Planning Winter 2025

URSP688K **Recent Developments in Urban Studies; Urban Design and Graphic Communication Skills, Strategies, and Software**

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

WB11	Amber Wendland	Seats (Total: 20)
	MTuWThF 6:00pm - 8:45pm	ONLINE

URSP688R **Recent Developments in Urban Studies; Havana's Art & Culture: The Intersection of Architecutre, Planning, Preservation and Economics**

Examination of selected current aspects of urban affairs and planning, including, for example, in the United States or neighborhood preservation in Russia. Location of course may be off-campus.

Cross-listed with ARCH478D, ARCH678D, HISP619C, RDEV689C, and URSP399I. Credit only granted for ARCH478D, ARCH678D, HISP619C, RDEV689C, URSP399I, or URSP688R. This course will explore art and culture in Havana, Cuba as the intersection of architecture, planning, preservation, and economics, including real estate development. Havana is one of the oldest cities in the hemisphere, having just celebrated its 500th anniversary. The course will provide the opportunity for the students to intensely interact (virtually, from Havana) with Cuban experts in each discipline. Students will first learn about the rich and complex contextual past and present framework for how these four disciplines interact and are manifested in the arts, culture, and society. Group projects will apply the learning to specific neighborhoods in Havana. This is a Global Classrooms course, developed in partnership with the Office of International Affairs (OIA) to provide opportunities for virtual, project-based, and international collaboration.

Contact department for information to register for this course.

URSP788 **Independent Study in Urban Studies and Planning**

(Perm req)

Directed research and study of selected aspects of urban affairs.

0103	Dawn Jourdan	Seats (Total: 1)
	Contact instructor or department for details.	

WGSS Women, Gender, and Sexuality Studies — Winter 2025

WGSS269A **Special Topics in Study Abroad II; Gender as a Social Construct in Morocco: An Immersive Experience in Oujda**

Special topics course taken as part of an approved study abroad program.

Contact department for information to register for this course.

WGSS326 **Biology of Reproduction**

Prerequisite: BSCI170 and BSCI171; or BSCI105; or permission of the Harriet Tubman Department of Women, Gender, and Sexuality Studies; or permission of CMNS-Biological Sciences UG Program. Cross-listed with: BSCI342. Credit only granted for: BSCI342, WMST326 or WGSS326. Formerly: WMST326.

The biology of the reproductive system with emphasis on mammals and, in particular, on human reproduction. Hormone actions, sperm production, ovulation, sexual differentiation, sexual behavior, contraception, pregnancy, lactation, maternal behavior and menopause.

Cross-listed with BSCI342. Credit only granted for BSCI342 or WGSS326.

WB11	Justicia Opoku-Edusei	Seats (Total: 30)
	Class time/details on ELMs	ONLINE